# NACA

### RESEARCH MEMORANDUM

LOW-SPEED PRESSURE-DISTRIBUTION INVESTIGATION

OF A SPOILER AND A SPOILER-SLOT-DEFLECTOR ON A 30°

SWEPTBACK WING-FUSELAGE MODEL HAVING AN ASPECT

RATIO OF 3, A TAPER RATIO OF 0.5,

AND NACA 65A004 AIRFOIL SECTION

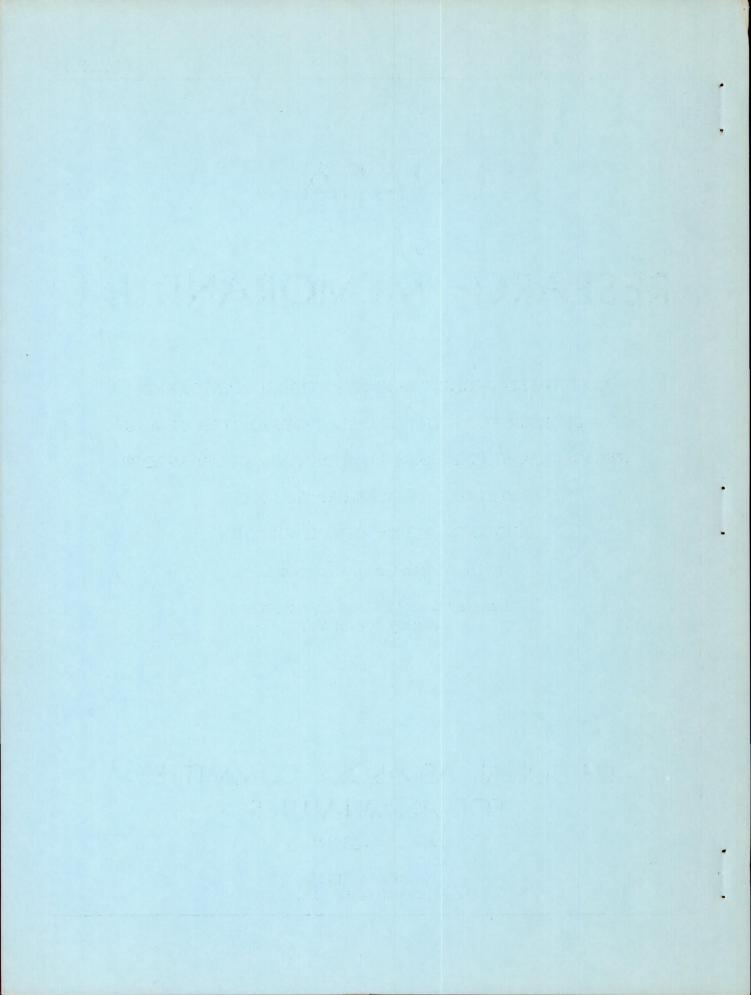
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## NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

WASHINGTON

January 11, 1956 Declassified November 14, 1958



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#### SUMMARY

An investigation on a 30° sweptback wing-fuselage model has been made in the Langley 300 MPH 7- by 10-foot tunnel to determine the effects of flap-type spoilers and spoiler-slot-deflectors on the chordwise and spanwise pressure distributions over the wing and controls. The wing had NACA 65A004 airfoil sections, an aspect ratio of 3, and a taper ratio of 0.5. The right wing of the model was equipped with a 15-percent-chord spoiler, slot, and deflector extending from 20 to 98.4 percent of the wing semispan. The spoiler and deflector were hinged along the 55- and 70-percent chord lines, respectively.

The results of the investigation are presented without discussion in the form of tabulated pressure, section force, and moment coefficients for six spanwise stations, and curves of the variation of the total integrated force and moment coefficients with angle of attack for various control projections. Also presented are typical curves of the chordwise pressure, spanwise normal load, wing twisting moment, and control hingemoment distributions for the wing, spoiler, and deflector at various angles of attack for a typical control projection.

#### INTRODUCTION

Recent investigations of spoiler-type controls suitable for use on high-speed thin-wing configurations have shown that the spoiler-slot-deflector has certain advantages over the plain flap-type spoiler, such as lower hinge moments and more effectiveness at high angles of attack (for example, ref. 1).

There is, however, very little information concerning the aerodynamic loads on swept wings equipped with flap-type spoilers and spoiler-slot-deflectors. In order to obtain some information on wing loads, the loads on the spoiler and deflector, and the flow in the vicinity of the spoiler and the deflector, chordwise pressure-distribution measurements have been made in the Langley 300 MPH 7- by 10-foot tunnel at six span-wise stations on the upper and lower surfaces of a 30° sweptback wing-fuselage model. The right wing of the model was equipped with a 15-percent-wing-chord spoiler, slot, and deflector extending from 0.20b/2 to 0.987b/2; thus, tests could be made on a plain spoiler and a spoiler-slot-deflector configuration at various control projections.

Since the highlights of the results of these data have been presented and discussed in reference 2, the purpose of this report is to present the data for all of the configurations tested and will be done without any further discussion.

#### COEFFICIENTS AND SYMBOLS

c <sub>n</sub>	section normal-force coefficient, Section normal force qc
$C_{\mathbb{N}}$	normal-force coefficient, Normal force qs
c <sub>m</sub>	section pitching-moment coefficient about 0.25c,  Section pitching moment  qc <sup>2</sup>
$C_{m}$	pitching-moment coefficient about 0.25 $\bar{c}$ , Pitching moment qS $\bar{c}_{w}$
ch	section hinge-moment coefficient about control hinge axis,  Section hinge moment  qc <sup>2</sup>
$C_{\mathbf{h}}$	hinge-moment coefficient about control hinge axis, Hinge moment 2qM
$c_{\mathbb{B}}$	bending-moment coefficient about wing root chord line,  Bending moment
	q \(\frac{\omega}{2}\) \(\frac{\omega}{2}\)
$C_{\mathbf{p}}$	pressure coefficient, $\frac{H_{\infty}-p}{q}$

- ΔCp incremental pressure coefficient, Cp,u Cp, l
- b span, ft
- c local chord, ft
- $\overline{c}_{W}$  mean aerodynamic chord,  $\frac{2}{S_{W}} \int_{0}^{b/2} c^{2} dy$ , ft
- $\bar{c}_s$  spoiler mean chord,  $\frac{1}{S_s} \int_{0.20b/2}^{0.987b/2} c_s^2 dy$ , ft
- $\overline{c}_{d}$  deflector mean chord,  $\frac{1}{S_{d}} \int_{0.20b/2}^{0.987b/2} c_{d}^{2} dy$ , ft
- $c_{av}$  average chord,  $\frac{c_r + c_t}{2}$ , ft
- H<sub>∞</sub> total free-stream pressure, lb/sq ft
- M area moment of control rearward of and about control hinge axis, cu ft
- p local static pressure, lb/sq ft
- q free-stream dynamic pressure, lb/sq ft
- S area, sq ft
- x chordwise coordinate measured in planes parallel to plane of symmetry for zero  $\delta_s$  and  $\delta_d$ , ft
- y spanwise coordinate measured from plane of symmetry for wing and from inboard end of control for spoiler and deflector, ft
- α angle of attack, deg
- Δ increment resulting from control projection
- δ control projection, fraction of wing chord

#### Subscripts:

d	deflector
u	act Tec cor

l lower surface

r root

s spoiler

t tip

u upper surface

w wing

#### MODEL AND APPARATUS

The model used in this investigation consisted of a sweptback wing and fuselage mounted on the single strut in the Langley 300 MPH 7- by 10-foot tunnel. The geometric characteristics and dimensions of the wing and fuselage are shown in figure 1. The wing was built with a steel core with wood and plastic surfaces, and had 30° of sweepback of the quarter-chord line, an aspect ratio of 3, a taper ratio of 0.5, and no twist or dihedral. The wing had NACA 65AOO4 airfoil sections parallel to the plane of symmetry. The fuselage ordinates are given in figure 1(a).

The right wing of the model was equipped with a 15-percent-chord spoiler and deflector extending from 0.20b/2 to 0.987b/2. The spoiler and deflector were made of 0.09-inch-thick brass plates that were hinged along the 55-percent and 70-percent chord lines, respectively. The slot was 15-percent chord wide and also extended from 0.20b/2 to 0.987b/2 except for three 0.5-inch-wide stiffener webs the center lines of which were at the 40-, 60-, and 80-percent-semispan stations. The webs were undercut 0.09 inch on both upper and lower wing surfaces to allow the spoiler and deflector to have a continuous span, figure 1(a).

The right wing of the model had six rows of pressure orifices located at the 15-, 30-, 50-, 70-, 85-, and 97-percent wing semispan stations. The pressure orifices were located on the upper and lower surfaces of the wing, spoiler, and deflector at all stations except the 15-percent wing semispan station. At this station, orifices were located only on the upper and lower wing surfaces. The chordwise location of the pressure orifices when the spoiler and deflector were at zero projection are given in pressure coefficient tables.

#### TESTS

All the tests were made in the Langley 300 MPH 7- by 10-foot tunnel at a free-stream dynamic pressure of approximately 100 pounds per square foot which corresponds to a Mach number of 0.26 and a Reynolds number of  $2.6 \times 10^6$  based on the wing mean aerodynamic chord of 1.795 feet. The data are presented for a range of spoiler projections from 0 to -0.12c for the plain spoiler and spoiler-slot-deflector configurations. For all plain-spoiler tests, the deflector was at zero deflection and for the spoiler-slot-deflector configurations the projection of the deflector was equal to three-quarters of the spoiler projection. All tests were made through an angle-of-attack range from  $-4^\circ$  to  $23^\circ$ .

#### DATA REDUCTION AND CORRECTIONS

Extensive use of a punch-card system greatly facilitated the reduction of data. Pressure data recorded with a manometer board camera were first transferred to cards by the use of a manual film-reading device coupled with a card-punch machine. The data were then processed on electronic computing machines to obtain individual pressure coefficients as well as section force and moment coefficients and total-force and moment coefficients (using a rectangular step integration both chordwise and spanwise). The cards were then fed into a tabulator to prepare the tables presented in the present paper.

Blockage corrections have been applied to the data according to the method of reference 3. The angles of attack listed in the tables and on the plots have not been corrected for tunnel-airstream misalinement or for jet-boundary effects. The corrections to the average angle of attack which may be applied to the data for the known tunnel-airstream misalinement of 0.20 and for jet-boundary effects (using the method of reference 4) are as follows:

	Angle of at	tack, α, deg	
Uncorrected	Corrected	Uncorrected	Corrected
-4 -2 0 2 4 6 8	-4.09 -1.99 .11 2.19 4.29 6.37 8.54 10.65	12 14 16 18 20 22 23	12.74 14.79 16.83 18.84 20.86 22.88 23.88

#### PRESENTATION OF DATA

Since a discussion of these data has been presented previously in reference 2, the pressure, section force, and moment coefficients are presented in tabular form without further discussion. Table I is an index to the tabulated data. In addition to the tabulated data, representative plots of the pressure, section force, and moment coefficients and all the total integrated force and moment coefficients are presented as follows:

		Control profession	rojection, n of c	Angle of attack
Figure	Type of curve	δς	δ <sub>d</sub>	ueg
2(a)	Variation of C <sub>p</sub> with x/c	0	0	0, 6, 12, 18
2(b)	Variation of C <sub>D</sub> with x/c	08	0	0, 6, 12, 18
2(c)	Variation of Cp with x/c	08	06	0, 6, 12, 18
3(a)	Variation of $\frac{c_nc}{c_{av}}$ with $\frac{y}{b/2}$	0	0	0, 6, 12, 18
3(b)	Variation of $\frac{\Delta c_n c}{c_{av}}$ with $\frac{v}{b/2}$	08	0	0, 6, 12, 18
3(c)	Variation of $\frac{\Delta c_n c}{c_{av}}$ with $\frac{y}{b/2}$	08	06	0, 6, 12, 18
4(a)	Variation of $\frac{c_mc^2}{c_{av}\bar{c}}$ with $\frac{y}{b/2}$	0	0	0, 6, 12, 18
4(b)	Variation of $\frac{\Delta c_m c^2}{c_{av}\bar{c}}$ with $\frac{y}{b/2}$	08	0	0, 6, 12, 18
4(c)	Variation of $\frac{\Delta c_m c^2}{c_{av} \bar{c}}$ with $\frac{y}{b/2}$	08	06	0, 6, 12, 18
5		08	0 and -0.06	0, 6, 12, 18
6	Variation of $\frac{c_{n,d}c_{d}}{c_{d,av}}$ and $\frac{c_{h,d}c_{d}}{c_{d,av}\bar{c}_{d}}$ with $\frac{y_{d}}{b_{d}}$	08	06	0, 6, 12, 18
7(a)	Variation of $C_m$ and $\alpha$ with $C_N$	0 to -0.12	0	-4 to 23
7(b)	Variation of $C_m$ and $\alpha$ with $C_N$	0 to -0.12	0 to -0.09	-4 to 23
8(a)	Variation of CB with a	0 to -0.12	0	-4 to 23
8(b)	Variation of $\Delta C_B$ with $\alpha$	0 to -0.12	0 to -0.09	-4 to 23
9(a)	Variation of $C_{N,s}$ and $C_{h,s}$ with $\alpha$	0 to -0.12	0	-4 to 23
9(b)	Variation of $C_{N,s}$ and $C_{h,s}$ with $\alpha$	0 to -0.12	0 to -0.09	-4 to 23
10	Variation of C <sub>N.d</sub> and C <sub>h,d</sub> with α	0 to -0.12	0 to -0.09	-4 to 23

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The total integrated force and moment coefficients presented herein result from the load carried by the wing panel from the wing-fuselage juncture to wing tip and are based on the total wing area and span.

Langley Aeronautical Laboratory,
National Advisory Committee for Aeronautics,
Langley Field, Va., September 23, 1955.

#### REFERENCES

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- 2. Hammond, Alexander D.: Loads on Wings Due to Spoilers at Subsonic and Transonic Speeds. NACA RM L55El7a, 1955.
- 3. Herriot, John G.: Blockage Corrections for Three-Dimensional-Flow Closed-Throat Wind Tunnels, With Consideration of the Effect of Compressibility. NACA Rep. 995, 1950 (Supersedes NACA RM A7B28.)
- 4. Gillis, Clarence L., Polhamus, Edward C., and Gray, Joseph L., Jr.: Charts for Determining Jet-Boundary Corrections for Complete Models in 7- by 10-Foot Closed Rectangular Wind Tunnels. NACA WR L-123, 1945. (Formerly NACA ARR L5G31.)

#### TABLE I.- INDEX TO TABULATED DATA

(a) Cp data.

Table	Control pi fraction	rojection, of chord
Table	δς	$\delta_{ t d}$
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	0.000005010020040060080100120005010020040060080100	0.00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .0000000375007500150003000045000600007500

(b) c<sub>n,w</sub>; c<sub>m,w</sub>; c<sub>n,s</sub>; c<sub>h,s</sub>; c<sub>n,d</sub>; c<sub>h,d</sub>.

Table	Control pr fraction	rojection, of chord
Table	δ <sub>S</sub>	δα
19 20 21 22 23 24 25 26 27 28 29	0.000 005 010 020 040 060 080 100 120 005 010 020	0.00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 00375 00750
31 32 33 34 35	040 060 080 100 120	03000 04500 06000 07500 09000

TABLE <sup>2</sup> .- PRESSURE COEFFICIENTS  $\left[\delta_{\text{S}} = ^{-0*000}\text{c}; \; \delta_{\text{d}} = ^{-0*0000\text{c}}\right]$ 

- -40

			(	x = -4°							$\alpha = -2^{\circ}$			
	/.		Pressure	coefficien	t Cp at	$t \frac{y}{b/2} = -$	-	-/-	F	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	.000 .010 .030 .050	1 • 420 • 673 • 830 • 892	2.197 .623 .802 .861	3.537 .519 .717 .802	2.364 .472 .689 .768	2.026 .415 .676 .768	.766 .492 .686	.000 .010 .030 .050	•354 •957 1•010 1•037	1.009 .893 .994 1.015	1.492 .854 .959 1.003	.793 .775 .924	.949 .664 .884	.239 .673 .811 .852
	.075 .100 .150 .200 .250	.898 .934 .976 .993 1.035	.901 .938 .970 .994 1.009	.859 .893 .943 .980 1.004	.833 .875 .939 .975	.830 .879 .950 .976	.800 .834 .866 .875 .888	.075 .100 .150 .200 .250	1.024 1.041 1.069 1.074 1.102	1.036 1.052 1.066 1.080 1.087	1.030 1.051 1.073 1.088 1.098	.987 1.022 1.058 1.069 1.081	.989 1.008 1.077 1.073 1.084	.869 .885 .903 .903
Upper	•300 •350 •400 •450 •500	1.032 1.047 1.065 1.064 1.077	1.028 1.044 1.048 1.059 1.066	1.028 1.041 1.054 1.047 1.050	1.028 1.044 1.052 1.073 1.009	1.043 1.086 1.066 1.084 1.029	.893 .902 .903 .906 .893	.300 .350 .400 .450	1.090 1.102 1.111 1.103 1.114	1.100 1.108 1.109 1.109 1.108	1.115 1.119 1.125 1.112 1.117	1.092 1.107 1.111 1.122 1.088	1.111 1.139 1.117 1.133 1.076	.911 .916 .914 .917
	•520 •538 •710 •720 •740	1.047 1.077 1.056 1.065 1.081	1.083 1.164 1.023 1.050 1.059	1.060 1.089 1.087 .971 1.043	1.181 1.279 1.123 1.098 1.067	1.160 1.067 1.087 1.076 1.051	.884 .908 .888 .897	• 520 • 538 • 710 • 720 • 740	1.085 1.115 1.082 1.096 1.101	1.104 1.161 1.045 1.077 1.086	1.121 1.148 1.144 1.096 1.100	1.206 1.291 1.164 1.142 1.099	1.198 1.111 1.130 1.136 1.090	.889 .919 .892 .922
Surface:	.760 .780 .800 .850 .950	1.073 1.094 1.077 1.076 1.058 1.061	1.050 1.048 1.051 1.044 1.042 1.048	1.041 1.040 1.032 1.037 .901	1.041 1.049 1.041 1.040 .909 .830	1.036 1.053 1.028 1.026 .845	.875 .899 .886 .861 .774	.760 .780 .800 .850 .950	1.094 1.107 1.090 1.087 1.083 1.109	1.077 1.073 1.076 1.065 1.060 1.065	1.089 1.074 1.068 1.068 1.031 .715	1.074 1.068 1.066 1.055 1.026	1.074 1.073 1.058 1.046 .971	.881 .891 .882 .864 .823
Wing	.010 .030 .050 .075	1.525 1.314 1.256 1.211 1.211	1.680 1.490 1.390 1.345 1.327	1.917 1.610 1.495 1.489 1.387	2.093 1.688 1.496 1.477 1.445	2.054 1.574 1.402 1.373	1.544 1.232 1.159 1.089	.010 .030 .050 .075	1.159 1.094 1.082 1.070 1.084	1.309 1.254 1.212 1.205 1.209	1.451 1.351 1.308 1.351 1.268	1.564 1.375 1.332 1.293 1.306	1.681 1.420 1.261 1.291	1.292 1.147 1.077 1.035 1.008
er	•150 •200 •250 •300 •350 •400	1.261 1.210 1.216 1.296 1.299 1.365	1.347 1.358 1.337 1.352 1.360 1.390	1.400 1.329 1.336 1.345 1.320 1.350	1.349 1.349 1.340 1.300 1.290 1.269	1.288 1.274 1.247 1.237 1.232 1.216	1.009 .996 .988 .980 .977	. 150 . 200 . 250 . 300 . 350	1.153 1.116 1.132 1.223 1.274 1.300	1 • 254 1 • 278 1 • 268 1 • 294 1 • 306 1 • 345	1.312 1.249 1.272 1.295 1.268 1.325	1.262 1.261 1.265 1.239 1.236 1.224	1.216 1.241 1.220 1.213 1.211 1.202	.976 .979 .964 .955 .949
Lower	•450 •500 •520 •540 •710	1.368 1.357 1.369 1.357	1.313 1.262 1.166 1.703 1.363 1.272	1.272 1.285 1.280 1.323 1.249	1.206 1.227 1.228 1.257 1.214	1.179 1.165 1.174 1.178 1.163	.949 .963 .948 .986	• 450 • 500 • 520 • 540 • 710	1.336 1.319 1.302 1.317 1.319	1.276 1.232 1.130 1.689 1.357	1.263 1.277 1.262 1.314 1.257	1.222 1.207 1.201 1.237 1.213	1.191 1.176 1.168 1.177 1.178	.947 .946 .930 .961
	.740 .760 .780 .800 .850 .900	1.329 1.315 1.316 1.288 1.241 1.215 1.165	1.247 1.247 1.238 1.193 1.190 1.150 1.094	1.137 1.183 1.156 1.150 1.112 1.084	1.174 1.125 1.116 1.110 1.075 1.053	1.107 1.084 1.092 1.081 1.051 1.030	•977 •971 •968 •978 •977 •969 •898	.740 .760 .780 .800 .850 .900	1.302 1.289 1.290 1.262 1.225 1.194 1.156	1.263 1.236 1.227 1.183 1.188 1.149 1.099	1.161 1.189 1.160 1.148 1.124 1.099 1.057	1.174 1.116 1.109 1.098 1.078 1.059 1.020	1.091 1.096 1.089 1.068 1.045	.913 .904 .898 .895 .891 .885
surface: Upper	•560 •580 •600 •620 •640 •660	1.099 1.080 1.078 1.081 1.060 1.096	1.128 1.153 1.118 1.106 1.099 1.133	1.179 1.111 1.096 1.100 1.086	1.143 1.122 1.077 1.064 1.111	1.124 1.128 1.114 1.093	•939 •909 •900 •890 •884	• 560 • 580 • 600 • 620 • 640 • 660	1.132 1.111 1.110 1.107 1.087 1.119	1.183 1.199 1.165 1.151 1.141 1.159	1.241 1.159 1.149 1.151 1.138	1.193 1.158 1.111 1.100 1.096	1.163 1.166 1.147 1.134	.956 .916 .900 .889
ler sur	•680 •690	1.076	1.235 1.245	1.119	1.030	1.04	.910	.680 .690	1.099	1.286	1.181	1.069	1.089	• 942 • 931
Spoiler	.580 .600 .620 .640 .660 .680		1.127 1.129 1.130 1.130 1.128 1.128 1.127	1.127 1.133 1.133 1.131 1.100 1.126 1.108	1.083 1.087 1.088 1.084 1.082 1.083 1.071	1.108 1.116 1.116 1.115 1.112 1.105 1.089	.881 .886 .885 .886 .886 .883	• 580 • 600 • 620 • 640 • 660 • 680 • 690		1 • 123 1 • 122 1 • 122 1 • 122 1 • 122 1 • 124 1 • 120	1.136 1.136 1.136 1.136 1.136 1.137	1.080 1.079 1.078 1.076 1.080 1.078 1.080	1.112 1.112 1.111 1.111 1.109 1.111 1.109	.900 .898 .899 .895 .898 .900
surface: Upper	•560 •580 •600 •620 •640 •660 •680		1.125 1.132 1.131 1.131 1.134 1.129 1.132	1.111 1.123 1.131 1.096 1.139 1.128	1.086 1.085 1.090 1.083 1.083	1.094 1.105 1.119 1.112 1.124 1.111	.879 .877 .884 .881 .885 .879	.560 .580 .600 .620 .640 .660		1 · 120 1 · 122 1 · 123 1 · 122 1 · 124 1 · 122 1 · 124	1.136 1.139 1.137 1.136 1.136 1.135	1.079 1.077 1.078 1.080 1.078 1.077	1.110 1.111 1.112 1.110 1.114 1.113	. 895 . 898 . 898 . 898 . 896 . 895
Deflector s Lower	.600 .620 .640	1.452 1.385 1.369 1.361 1.353	1.767 1.528 1.329 1.289 1.299	1.326 1.255 1.268 1.243 1.226	1.083 1.278 1.215 1.226 1.211 1.198	1.122 1.121 1.186 1.149 1.155	.884 .903 .936 .949	.600 .620 .640	1.410 1.337 1.315 1.313 1.305	1 · 121 1 · 748 1 · 489 1 · 282 1 · 258 1 · 274	1.305 1.225 1.249 1.233 1.217	1:077 1:253 1:182 1:204 1:190 1:181	1.114 1.106 1.106 1.173 1.152 1.160	.876 .877 .879 .904 .912
	.660 .680 .688	1.370 1.403 1.157	1.272 1.304 1.403	1.244 1.227 1.203	1.184 1.170 1.175	1.130 1.136 1.101	.988 1.044 1.056	.680	1.329 1.379 1.133	1 · 251 1 · 286 1 · 397	1.250 1.236 1.211	1.172	1.141	1.004

TABLE 2 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{S} = -0.000 \, c; \, \delta_{d} = -0.00000 \, c\right]$ 

	1		Pressure	coefficient	: C <sub>p</sub> at	$\frac{y}{b/2} = -$			P	ressure co	pefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	7
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Surface: Upper	.000 .010 .030 .050 .075 .100 .250 .350 .400 .450 .520 .538 .710 .720 .740 .780 .850	*314 1 *359 1 *222 1 *227 1 *157 1 *156 1 *170 1 *154 1 *155 1 *154 1 *157 1 *1	.493 1.431 1.283 1.225 1.196 1.205 1.181 1.171 1.158 1.171 1.171 1.176 1.177 1.120 1.104 1.100 1.009	*243 1*261 1*200 1*181 1*165 1*174 1*163 1*157 1*180 1*170 1*151 1*151 1*155 1*155 1*155 1*155 1*155 1*155 1*155 1*156 1*157 1*158	*380 1.249 1.152 1.152 1.152 1.169 1.174 1.164 1.164 1.161 1.170 1.161 1.161 1.170 1.163 1.164 1.165 1	*527 1*175 1*149 1*159 1*157 1*157 1*167 1*162 1*178 1*178 1*178 1*178 1*163 1*178 1*163 1*178 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.272 .838 .896 .910 .902 .907 .912 .915 .918 .918 .922 .896 .929 .886 .929 .886 .910 .866 .870 .874 .868 .851	.000 .010 .030 .050 .075 .100 .250 .350 .450 .520 .520 .522 .710 .720 .740 .760 .780 .850 .950	*320 1.795 1.463 1.412 1.310 1.274 1.256 1.228 1.228 1.228 1.221 1.184 1.209 1.217 1.184 1.209 1.217 1.154 1.217 1.154 1.217 1.154 1.155 1.154 1	*278 200459 1*589 1*444 1*370 1*350 1*224 1*221 1*221 1*221 1*224 1*221 1*224 1*224 1*224 1*234	*267 1.871 1.540 1.433 1.344 1.272 1.272 1.272 1.207 1.232 1.207 1.198 1.217 1.198 1.217 1.118 1.118 1.118 1.095 1.084 1.095	*595 1*933 1*538 1*400 1*340 1*302 1*277 1*227 1*227 1*224 1*224 1*224 1*176 1*185 1*109 1*109 1*109 1*109 1*109	*321 1.847 1.847 1.338 1.330 1.294 1.229 1.229 1.220 1.207 1.220 1.207 1.149 1.252 1.170 1.172 1.172 1.104 1.085 1.068	*17 1*366 1*138 1*000 1*007 *991 *947 *947 *947 *945 *940 *945 *949 *903 *903 *903 *903 *909 *890 *890 *890 *890 *890 *890 *890
Wing	.950 1.000 .010 .030 .050 .075 .100 .150 .200 .250 .350 .400	1.100 .854 .886 .918 .939 .962 1.052 1.059 1.054 1.154 1.208	1.073 1.074 .936 .993 1.013 1.0044 1.072 1.147 1.190 1.192 1.227 1.247	•778  1.036 1.082 1.101 1.170 1.124 1.186 1.148 1.181 1.213 1.200 1.256	1.009 1.107 1.098 1.109 1.115 1.154 1.147 1.163 1.185 1.169 1.178	.915 1.184 1.208 1.103 1.163 1.119 1.165 1.161 1.165 1.176	.612 1.092 1.056 1.005 .982 .967 .942 .952 .938 .931 .928	1.000 .010 .030 .050 .075 .100 .200 .250 .300 .350	1.104 .618 .719 .778 .821 .863 .957 .951 .984 1.092 1.158	065 0642 0765 0828 0936 10035 10091 10103 10142 10170 10222	.832 .699 .839 .901 .968 .984 1.070 1.047 .068 1.135 1.128 1.198	1.013 .735 .842 .905 .949 .995 1.033 1.066 1.085 1.102 1.118 1.119 1.132	.958 .817 .982 .956 1.025 1.019 1.082 1.090 1.105 1.121 1.130 1.137	.681 .721 .831 .849 .868 .882 .903 .900 .903
Lower	.450 .500 .520 .540 .710 .740 .760 .780 .800 .850 .900	1.288 1.276 1.259 1.270 1.300 1.279 1.269 1.278 1.245 1.208 1.185 1.146	1.226 1.192 1.098 1.675 1.342 1.246 1.222 1.213 1.172 1.180 1.143 1.100	1.209 1.228 1.211 1.264 1.231 1.132 1.161 1.136 1.125 1.104 1.082 1.052	1:180 1:166 1:168 1:202 1:202 1:165 1:100 1:095 1:087 1:065 1:050	1.173 1.163 1.152 1.163 1.183 1.117 1.089 1.099 1.088 1.073 1.052	. 929 . 928 . 916 . 940 . 937 . 892 . 883 . 877 . 872 . 866 . 857 . 868	.450 .500 .520 .540 .710 .740 .760 .800 .850 .900	1.238 1.229 1.217 1.232 1.271 1.251 1.243 1.255 1.223 1.192 1.169	1.165 1.049 1.069 1.607 1.306 1.214 1.183 1.143 1.157 1.123 1.083	1:178 1:166 1:220 1:202 1:112 1:141 1:116 1:108 1:093 1:073 1:075	1 • 132 1 • 136 1 • 167 1 • 203 1 • 161 1 • 078 1 • 070 1 • 056 1 • 045 1 • 026	1.130 1.121 1.131 1.168 1.104 1.074 1.083 1.077 1.064 1.029	921 905 931 945 884 883 875 872 862 852
surface: Upper	.560 .580 .600 .620 .640 .660 .680	1.170 1.151 1.145 1.144 1.123 1.149 1.130 1.137	1.211 1.233 1.196 1.180 1.170 1.212 1.274 1.283	1.257 1.183 1.170 1.167 1.155	1.229 1.187 1.139 1.131 1.098 1.091	1.196 1.194 1.174 1.154 1.178	•953 •902 •890 •883 •874 •931	.560 .580 .600 .620 .640 .660 .680	1.219 1.194 1.192 1.186 1.165 1.188 1.169	1.239 1.258 1.222 1.204 1.197 1.219 1.275 1.283	1.293 1.222 1.205 1.202 1.189	1.250 1.218 1.172 1.158 1.099 1.125 1.188	1.216 1.207 1.183 1.170	.980 .918 .907 .901 .890 .958
Spoiler	.560 .580 .600 .620 .640 .660 .680		1.115 1.116 1.115 1.116 1.116 1.118 1.118	1.122 1.121 1.121 1.120 1.119 1.121 1.119	1.077 1.079 1.079 1.075 1.079 1.079	1.115 1.116 1.117 1.112 1.115 1.115	.895 .894 .896 .897 .894 .896	.560 .580 .600 .620 .640 .660 .680		1.102 1.103 1.103 1.103 1.103 1.103 1.103	1.116 1.116 1.114 1.115 1.114 1.116 1.114	1:086 1:086 1:086 1:086 1:086 1:086 1:088	1.132 1.132 1.134 1.131 1.134 1.132 1.130	695 698 695 696 697 6895
. surface: Upper	.560 .580 .600 .620 .640 .660 .680		1.113 1.115 1.117 1.115 1.117 1.116 1.115	1.121 1.122 1.121 1.124 1.122 1.121 1.122	1.075 1.075 1.076 1.074 1.074 1.075 1.075	1 · 112 1 · 112 1 · 115 1 · 114 1 · 115 1 · 112 1 · 115	.893 .891 .892 .892 .892 .893 .894	•560 •580 •600 •620 •640 •660 •680 •688		1.100 1.100 1.101 1.102 1.103 1.103 1.102 1.103	1.113 1.113 1.113 1.117 1.115 1.114 1.116	1.086 1.083 1.085 1.083 1.085 1.083 1.083	1.132 1.132 1.132 1.132 1.132 1.130 1.132 1.128	6897 6897 6895 6895 6895 6895 6896 6894
Deflector	.560 .580 .600 .620 .640 .660 .680	1.300 1.281 1.277 1.271 1.301 1.364	1.703 1.416 1.244 1.236 1.253 1.228 1.266 1.379	1,205	1.224 1.153 1.173 1.165 1.158 1.152 1.141 1.165	1.087 1.093 1.173 1.146 1.155 1.139 1.151 1.109	.861 .866 .889 .896 .898 .923 .980	•560 •580 •600 •620 •640 •660 •680 •688	1.241 1.241 1.243 1.238		1.217 1.143 1.170 1.157 1.145 1.181 1.176 1.153	1.159 1.122 1.139 1.137 1.133 1.129 1.121 1.150	1.064 1.065 1.149 1.121 1.136 1.124 1.135 1.095	.857 .857 .881 .891 .897 .928 .980

TABLE 2 .- PRESSURE COEFFICIENTS - Continued

	δ <sub>S</sub> = -0.000 c; δ <sub>d</sub> = -0.00000 c				
α =		α	=	6	)

	-		Pressure		it C <sub>p</sub> a	$t \frac{y}{b/2} = -$	_		F	100	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Surface: Upper	.000 .010 .030 .050 .075 .100 .150 .200 .250 .350 .400 .450 .520 .520 .520 .740 .740 .760 .780 .850 .850	2674 2,759 1,849 1,672 1,503 1,454 1,411 1,256 1,253 1,208 1,229 1,263 1	-553 2-553 2-553 2-2212 1-847 1-955 1-511 1-410 1-357 1-328 1-311 1-292 1-286 1-290 1-293 1-149 1-153 1-153 1-145 1-153 1-146 1-141 1-142 1-1683 1-071	**394 1.898 1.814 1.774 1.770 1.604 1.652 1.637 1.376 1.344 1.290 1.251 1.226 1.251 1.226 1.251 1.216 1.251 1.216 1.251 1.266 1.251 1.266 1.251 1.266	*840 1.817 1.750 1.687 1.687 1.6534 1.4554 1.250 1.211 1.224 1.224 1.224 1.224 1.238 1.193	. 432 1.827 1.659 1.659 1.659 1.6548 1.388 1.334 1.332 1.279 1.247 1.247 1.215 1.186 1.156 1.156 1.161 1.161 1.162 1.135 1.113 1.102 1.084 1.084 1.094	.656 1.493 1.392 1.314 1.199 1.003 1.005 1.005 1.005 1.006 1.005 1.006 1.005 1.006 1.005 1.006 1.005 1.006 1.005 1.006 1.005 1.008 1.009 1.008 1.009 1.008 1.009 1.008 1.009 1.008 1.009 1.008 1.009 1.008 1.009 1.008 1.009 1.008 1.009 1.008 1.009 1.008 1.009 1.008 1.009 1.008 1.009 1.008 1.008 1.009 1.008 1.008 1.009 1.008 1.008 1.009 1.008 1.008 1.009 1.008 1	.000 .010 .030 .055 .075 .100 .200 .250 .350 .450 .550 .550 .574 .7740 .7780 .855 .855 .855 .855 .855 .855 .855 .8	1.121 4.184 1.819 1.639 1.639 1.512 1.442 1.352 1.337 1.300 1.227 1.202 1.202 1.195 1.188 1.110 1.152	*815 2.731 2.659 2.459 2.125 1.838 1.668 1.552 1.441 1.388 1.354 1.314 1.314 1.314 1.314 1.314 1.314 1.314 1.314 1.314 1.314 1.314 1.314 1.314 1.314 1.314 1.314 1.315 1.314 1.315 1.314 1.315 1.314 1.315 1.314 1.315 1.314 1.315 1.314 1.315 1.314 1.315 1.314 1.315 1.316 1	-530 1.936 1.936 1.889 1.889 1.8793 1.696 1.6513 1.473 1.475 1.413 1.225 1.225 1.225 1.225 1.226 1.236 1.213	1.053 1.799 1.789 1.785 1.772 1.745 1.706 1.657 1.665 1.551 1.495 1.437 1.388 1.333 1.356 1.216 1.219 1.175 1.170 1.170 1.170	.783 .619 1.708 1.665 1.6655 1.6659 1.616 1.572 1.452 1.441 1.400 1.356 1.323 1.278 1.278 1.294 1.162 1.192 1.172 1.163 1.152 1.163 1.152 1.163 1.152	923 1.597 1.502 1.429 1.316 1.227 1.134 1.110 1.098 1.090 1.092 1.076 1.050 1.076 1.050 1.074 1.050 1.075 1.058 1.058 1.054 1.054 1.054 1.054 1.054 1.054 1.054 1.054 1.054 1.054 1.054 1.054 1.055 1.054 1.055 1.054 1.055 1.054 1.055 1.
Lower Wing	0010 0030 0075 100 150 2200 3300 4400 4500 520 540 740 760 800 850 800 890 990	.409 .550 .632 .698 .750 .859 .911 1.019 1.081 1.179 1.176 1.184 1.221 1.221 1.221 1.193 1.152 1.152	4492 4618 694 766 822 915 996 1025 1076 1108 10163 1012 1095 1028 1048 1050 1028 1048 1050 1028 1048 1050 1048 1050 1048 1050	*553 *691 *759 *837 *869 *956 1*001 1*063 1*140 1*102 1*134 1*125 1*183 1*178 1*183 1*178 1*195	*587 *706 *774 *832 *890 *942 *990 1.024 1.045 1.077 1.094 1.144 1.183 1.077 1.070 1.063 1.054 1.054 1.054	.626 .830 .847 .917 .955 1.013 1.030 1.049 1.073 1.084 1.097 1.098 1.108 1.006 1.158 1.006 1.056 1.054 1.037	.597 .739 .781 .827 .850 .873 .897 .902 .909 .911 .915 .922 .922 .937 .965 .966 .885 .887 .887	*010 *030 *050 *075 *100 *150 *200 *250 *350 *400 *550 *540 *710 *740 *780 *850 *850 *990 *950	.279 .431 .527 .601 .662 .778 .846 .954 1.027 1.027 1.123 1.123 1.123 1.123 1.128 1.	*417 *529 *664 *685 *740 *333 *902 *954 1:010 1:049 1:105 8:973 1:496 1:25 1:144 1:144 1:105 1:125 1:105	**464 *592 *667 *743 *781 *865 *891 *950 *994 1*007 1*008 1*139 1*149 1*162 1*070 1*070 1*070 1*070	*485 *603 *674 *801 *801 *801 *986 *1013 *1002 *1005 *1151 *1055 *1151 *122 *1057 *1057 *1057 *1049 *1049	1.022 .959 .750 .784 .854 .996 .996 .019 1.046 1.080 1.075 1.157 1.087 1.087 1.080 1.074 1.080	.531 .673 .830 .825 .859 .889 .903 .909 .924 .933 .971 .929 .938 .877 .898 .887 .898
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.258 1.238 1.230 1.222 1.199 1.220 1.198 1.202	1.274 1.292 1.262 1.243 1.236 1.262 1.302 1.308	1.301 1.245 1.236 1.235 1.220 1.239 1.235	1.258 1.233 1.206 1.192 1.111 1.160 1.206	1.212 1.209 1.193 1.177 1.187	1.050 1.000 .992 .988 .983 1.038	•560 •580 •600 •620 •640 •660 •680 •690	1.285 1.266 1.257 1.247 1.227 1.227 1.242 1.219	1 · 294 1 · 320 1 · 286 1 · 267 1 · 254 1 · 280 I · 344 1 · 348	1.311 1.270 1.259 1.255 1.237	1.301 1.279 1.259 1.242 1.114 1.215	.000 1.260 1.249 1.237 1.176 1.214	1.129 1.084 1.071 1.064 1.057 1.100
Spoiler	.560 .580 .600 .620 .640 .660 .680		1.107 1.105 1.105 1.105 1.105 1.103 1.105 1.105	1.113 1.112 1.112 1.113 1.111 1.113 1.113	1.094 1.095 1.095 1.093 1.093 1.096 1.094	1.154 1.151 1.154 1.148 1.153 1.152 1.148	.903 .904 .904 .904 .907 .905	•560 •580 •600 •620 •640 •660 •680 •690		1.101 1.099 1.101 1.102 1.101 1.101 1.102	1.102 1.104 1.101 1.102 1.102 1.101 1.104 1.103	1.106 1.104 1.105 1.104 1.106 1.104	.000 1.172 1.171 1.172 1.169 1.173 1.172	.913 .910 .911 .911 .913 .912
surface: Upper	.560 .580 .600 .620 .640 .660 .680		1.104 1.103 1.105 1.105 1.105 1.104 1.104	1.111 1.113 1.111 1.115 1.112 1.111 1.113 1.111	1.091 1.091 1.089 1.091 1.091 1.092 1.093 1.092	1.146 1.150 1.146 1.151 1.150 1.148 1.146	.904 .902 .902 .904 .902 .902 .902	.560 .580 .600 .620 .640 .660 .680		1.100 1.101 1.101 1.101 1.100 1.101 1.101 1.099	1.102 1.100 1.101 1.102 1.104 1.102 1.102	1.101 1.101 1.102 1.100 1.101 1.102 1.101	1.070 1.171 1.172 1.169 1.170 1.171 1.173	.910 .911 .911 .909 .913 .911 .909
Deflector	.560 .580 .600 .620 .640 .660 .680	1.287 1.214 1.198 1.202 1.202 1.234 1.301 1.104	1.609 1.314 1.142 1.156 1.183 1.163 1.203 1.313	1.175 1.107 1.138 1.124 1.115 1.153 1.148 1.127	1.167 1.099 1.132 1.123 1.114 1.107 1.102 1.132	1.028 1.038 1.130 1.101 1.115 1.103 1.127 1.074	.907 .887 .886 .896 .904 .943 .992	.560 .580 .600 .620 .640 .660 .688	1.238 1.171 1.155 1.159 1.158 1.195 1.262 1.099	1.570 1.270 1.096 1.117 1.149 1.133 1.175 1.284	1.068 1.068 1.099 1.086 1.078 1.116 1.116	1.128 1.062 1.099 1.092 1.087 1.084 1.081	1.088 1.019 1.027 1.117 1.093 1.109 1.094 1.125	.911 .889 .892 .904 .912 .953 .996

TABLE <sup>2</sup> .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{\text{S}}=^{-0.000}\text{c};\ \delta_{\text{d}}=^{-0.0000}\text{c}\right]$ 

 $\alpha = 10^{\circ}$ a = 80 Pressure coefficient  $C_p$  at  $\frac{y}{b/2} = -$ Pressure coefficient Cp at  $\frac{y}{b/2} =$ x/c 0.30 0.85 0.15 0.50 0.70 0.85 0.97 0.30 .000 1.066 1.301 .831 2.054 1.104 1.153 .916 1.394 .000 1.927 4.320 2.070 1.638 .010 .030 4.653 2.678 2.042 2.739 1.359 1.761 1.614 1.286 .030 1.761 2.063 1.334 .050 2.117 2.764 1.632 1.740 1.615 2.803 2.049 1.637 1.297 .075 2.114 2 . 674 2.025 1 . 282 1.749 2 · 723 2 · 814 2.013 1.752 2.036 .100 1.615 1.280 1.634 .100 1.752 2.805 1.630 . 150 -150 2 . 641 2.000 1.713 1.625 1.234 1.601 1.627 1.984 1.217 .200 2 . 608 1.967 1.737 1.621 1 . 266 .200 1.724 1.255 . 250 1 . 956 1.620 1.495 .250 1.577 1.960 1.668 1.614 1.952 1.242 .300 1.325 1.926 1.641 1.549 1.185 . 300 1.513 1.951 .350 1.484 1.667 1.929 1 . 692 1.600 1.234 1.513 1.177 1.852 1.612 .350 1 . 412 1.268 1.669 1.389 1.262 1.761 1.472 1.166 . 400 1.222 1.437 • 450 • 500 1 . 648 1.534 1.166 1.427 1.410 1 .829 1.557 1.213 1.357 1.281 1.412 1,616 1.526 1.343 1.320 1.144 .500 1,299 1.591 1.482 1.324 1.391 1.766 .520 1.571 1.501 1.134 .520 1.395 1.417 1.630 1.511 1.187 1.636 1.500 •538 •710 1.402 1.435 1.740 1.507 1.198 1.544 .538 1.329 .710 1.244 1.160 1.351 1.270 1:107 1.347 1.104 A 720 1.273 1 . 223 1.437 1.510 1.383 1.143 1.454 1 . 495 1.392 1.141 1.339 1.247 1.099 1.263 .740 1.232 1.191 1.278 1.218 1.254 1.320 1.243 1.247 1.104 . 760 1.210 1.424 1.476 1.378 1.140 1.406 1.467 1.146 .780 1.199 1.377 1.169 1.113 .780 . 800 1.223 1.196 .800 1.198 1.165 1.213 1.297 1.220 1.098 1.362 1.083 · 850 • 950 1.192 1.165 1.336 1.421 1.345 1.126 .850 1.190 1.165 .950 1.109 1.093 1.102 1.125 . 986 .857 .951 1.136 1.073 .820 1.000 1.116 1.083 1.071 ing •430 •538 •516 •645 •386 •505 .502 .010 .104 .332 .354 4449 ·485 4471 .030 . 322 .513 .541 .616 .401 .488 .558 .681 .712 . 050 . 451 .050 .509 .578 .608 .679 .742 •721 •794 •776 •807 .414 · 526 .075 .075 .593 .606 .740 .746 ·640 •736 .673 .751 .780 .709 .100 .651 .807 825 .749 .839 .600 . 688 .670 .799 .810 .851 .839 . 150 •665 •728 . 768 .780 .838 .811 .876 .860 .841 .200 .724 871 -250 .776 .885 .898 .912 .956 .883 . 250 .819 .944 •949 •961 .900 . 944 . 987 .892 . 300 .816 . 887 . 894 .955 .885 .300 ·896 .919 .972 1.020 . 350 . 938 4940 . 992 .897 .350 .938 959 1.017 .905 1.010 .400 1.000 1.054 1.047 . 992 1.040 -907 . 400 .983 1.023 1.020 1.023 1.056 . 450 1.016 .978 1.002 1.040 . 915 1.018 .450 1.061 1.014 1.057 . 979 .930 .500 1.073 1.012 1.064 1.033 1.066 .922 .500 1.031 •520 •540 1.031 . 906 1.402 1.071 1.056 1.037 1.063 .927 1.020 1.023 1.052 .937 .520 1.082 1.074 1.065 .939 -540 1.082 1.440 1.115 1.087 1.078 1.151 1.158 986 .710 1.137 1 . 205 1.124 1.164 1.169 1.003 .710 1.167 1.221 .740 .740 1.158 1.138 1.054 1.128 1.091 .928 .760 1.087 . 947 1.153 1.118 1.094 1.064 1.072 .923 1.131 1.106 1.082 1.091 1.061 1.091 .937 1.158 1.106 1.110 .914 1.067 1.067 1.088 A780 1.179 1.117 1.140 1.084 1.068 1.067 1.084 .920 . 800 1.118 1.074 1.067 1.094 1.114 . 944 .800 1.104 1.102 1.070 1.071 . 850 1.108 1.120 .937 1.067 1.084 .910 .850 1.118 1.107 •900 •950 1.118 1.088 1.062 1.081 1.088 4913 . 900 1.086 . 950 1.101 1.065 1.079 1.165 1.150 .961 1.062 1.733 1.311 • 560 • 580 1.393 •560 •580 1.323 1.595 1.192 1.452 1.351 1.159 1.492 1.584 1.179 1.301 1.139 .600 1.356 1.343 1 . 647 1.478 .600 1.300 1.449 1.437 1.341 1.564 1.550 1.172 1.418 1.404 1.140 .620 .640 1.345 1.320 1.633 1.470 1.435 1.169 .620 1.287 1.165 1.121 .640 1.273 1.270 1,393 1.314 1.310 .660 .680 . 660 1.326 1.452 1.541 1.364 1.289 . 680 1.298 1.539 1.413 1.157 . 690 1.298 1.457 .690 1.258 1.404 1.362 1.358 1.273 1.127 1.094 1.096 1.096 1.109 •560 •580 1.117 .560 .580 1.118 1.102 1.128 1.189 .921 .600 .620 1.103 1.109 1:178 1.191 .932 .600 1.128 . 929 .620 1.097 1.117 1.189 .921 1.170 1.099 .923 . 640 1.102 1.108 1.184 . 932 .640 1.125 .660 1.100 1.109 1.178 1.189 932 .923 -660 1.097 1.117 1.127 1.188 .921 . 680 1 102 1.109 1.177 1.190 .983 1.188 . 690 1.102 1.107 1.170 .932 1.188 .690 1.097 1.117 1.123 1.184 .920 .921 • 560 • 580 .930 1.096 1.117 1.124 1.184 .930 -580 . 932 1.116 .918 1.098 1.124 1.186 .600 1.102 1.109 1.174 1.188 1.101 1.107 1.174 1.186 . 932 1.097 1.124 .620 .918 1.109 1.098 1.118 1.125 1.186 . 640 1.101 .660 1.102 .919 1.107 1.173 1.188 .928 1.115 1.121 1.185 1.096 .660 1.105 1.117 .680 1.096 1.124 1.186 .920 1.096 920 . 688 1.101 1.109 1.172 1.191 .930 .688 Deflector : Lower 1.529 1.078 1.091 1.003 916 1.006 .916 •560 •580 1.051 1.085 •560 •580 1.183 1.541 1.109 ·921 1-053 1.077 1.116 1.011 1.045 1.076 1.084 1.113 .901 .600 .620 1.075 1.071 1.077 .914 1.089 1.098 1.042 1.078 1.106 •938 •981 1.099 .921 1.062 1.077 .640 1.122 1.116 1.105 .660 .680 1.085 1.082 1.158 1.103 1.078 1.091 .964 1.126 1.002 1.196 1.25 1.086 1.084 1.136 1.018 1.075 1.124 1.140 .680 1.225 .688 1.094 1.250 1.084 1.098 1.072 1.012 . 688 1.097

TABLE  $^2$  .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{\rm S}=^{\text{$-0.000$}}\,c\,;\,\delta_{\rm d}\text{=}^{\text{$-0.0000$}}\,c\,\right]$ 

120

a = 14 0

				α = 12 0				-			a = 14 0			
	x/c		Pressure	coefficie:	nt Cp	at $\frac{y}{b/2} = $	-	11/0		Pressure	coefficien	t C <sub>p</sub> a	$t \frac{y}{b/2} = -$	-
	N/C	0,15	0.30	0.50	0.70	0,85	0.97	x/c	0.15	0.30	0,50	0.70	0.85	0.9
	•000	1.406	1.383	•921	1.545	• 987	1.101	.000	1.152	1.372	1.025	1.676	1.056	1.1
	.010	3.026	2.508	2.028	1.762	1.622	1.258	.010	2.447	2.281	2.020	1.748	1.610	1.2
	•030	3.128	2.472	2.008	1.744	1.613	1.254	•030	2.402	2.251	1.989	1.720	1.602	1.2
	•050	3 · 132 3 · 058	2.458	2.002	1.745	1.613	1.259	. • 050	2.395	2 0 248	1.980	1.724	1.599	1.2
	•075 •100	2.928	2.437	1.996	1.745	1.613	1.274	•075	2.390	2 • 243	1.975	1.724	1.596	1.2
	•150	2.522	2.462	1.968	1.742	1.624	1.285	•150	2.346	2.229	1.954	1.723	1.605	1.2
	•200	2.045	2.456	1.953	1.740	1.631	1.286	•200	2.298	2.229	1.941	1.717	1.611	1.2
	•250	1.735	2.396	1.944	1.736	1.641	1.281	•250	2.210	2.227	1.933	1.721	1.621	1.2
	•300	1.573	2.283	1.936	1.732	1.644	1.271	•300	2.071	2.205	1.926	1.718	1.628	1.2
H	•350	1.532	2.126	1.924	1.725	1.644	1.261	• 350	1.894	2.159	1.922	1.721	1.632	1.2
Upper	•400	1.497	1.980	1.901	1.714	1.638	1.253	• 400	1.766	2.098	1.909	1.720	1.635	1.2
Jp	•450 •500	1.455	1.853	1.872	1.705	1.626	1.243	• 450	1.583	2.030	1.897	1.715	1.634	1.2
	•520	1.405	1.805	1.831	1.698	1.596	1.226	•500 •520	1.528	2.007	1.880	1.724	1.622	1.2
	•538	1.415	1.708	1.819	1.716	1.606	1.235	•538	1.528	1.940	1.879	1.748	1.635	1.2
	.710	1.277	1.351	1.619	1.600	1.530	1.195	.710	1.325	1.630	1.735	1.664	1.599	1.2
	•720	1.293	1.367	1.550	1.608	1.504	1.190	.720	1.352	1.622	1.676	1.675	1.570	1.2
	•740	1.284	1.355	1.566	1.586	1.516	1.191	•740	1.350	1.606	1.694	1.653	1.584	1.2
	.760	1.269	1.333	1.541	1.569	1.508	1.191	●760	1.333	1.577	1.674	1.639	1.582	1.2
	•780	1.277	1.318	1.528	1.558	1.506	1.192	• 780	1.347	1.562	1.662	1.635	1.578	1.2
	.800	1 • 247	1.311	1.511	1.550	1.489	1.183	•800	1.320	1.551	1.642	1.631	1.567	1.2
	•850	1.218	1.254	1.455	1.518	1.481	1.182	.850	1.293	1.475	1.599	1.605	1.566	1.2
	1.000	1.157	1.158	1.028	1.416	1.345	.915	1.000	1.233	1.316	1.416	1.498	1.428	1.1
										1.203			1.318	
	•010	•093	•333 •351	•350 •421	• 363 • 439	• 418	.462 .567	•010	.080 .172	• 335 • 337	• 352 • 399	.361 .415	•402	• 4
	•050	•292	.414	•483	.498	.571	.641	.050	.269	. 393	.457	.470	•540	.6
	.075	• 382	.489	•557	.566	.623	.712	.075	•357	.460	.528	e532	•591	07
	.100	.451	•546	•606	.630	.693	•752	.100	.422	.514	.578	0593	.662	07
	•150	• 564	.646	•703	.710	.765	.805	.150	.533	0613	.672	0679	0740	.8
	•200	•626	•727	•748	•779	.840	.847	•200	•595	0691	• 723	0742	.813	.8
	•250	•692	•781	•813	.837	.888	•863	•250	•660	0744	• 789	.804	.866	.8
	•300	•770 •854	•845 •900	.866 .898	.865	• 931	.881	•300	.739	.814	•847	.841	0911	.8
9r	•350 •400	913	.972	•980	•913 •948	.973 1.005	•892 •910	• 350 • 400	.826 .884	.871	.878 .971	.891 .922	•954 •989	.9
Lower	• 450	• 982	.946	.965	.984	1.026	.919	• 450	•951	• 950 • 925	•956	968	1.016	69
3	•500	.997	•954	1.013	1.005	1.045	•938	•500	.973	938	1.010	993	1.043	.9
	.520	1.003	.884	1.009	1.013	1.050	.944	.520	.977	.872	1.012	1.004	1.043	.9
	.540	1.009	1.375	1.072	1.065	1.069	.958	.540	.989	1.362	1.075	1.061	1.063	.9
	.710	1.118	1.191	1.132	1.172	1.188	1.019	•710	1.109	1.197	1.155	1.183	1.200	1.0
	•740	1.122	1.114	1.045	1.157	1.127	.971	0740	1.114	1.123	1.073	1.171	1.139	1.0
	•760	1.117	1.102	1.096	1.099	1.112	•975	•760	1.114	1.112	1.128	1.114	1.129	1.0
	•780	1.145	1.102	1.076	1.107	1.139	•965	• 780	1.140	1.118	1.109	1.124	1.153	1.0
	.800 .850	1.08	1.074	1.084	1.113	1.139	.975 .975	.800 .850	1.110	1.093	1.119	16134	1.160	1.0
	.900	1.104	1.098	1.121	1.175	1.187	•991	•900	1.118	1.134	1.184	1.207	1.182	1.0
	•950	1.103	1.084	1.132	1.212	1.216	1.015	•950	1.124	1.150	1.211	1.260	1.259	1.0
	•560	1.403	1.598	1.811				.560	1.495	1.845	1.873			
	•580	1.383	1.617	1.765	1.670	1.598	1.227	•580	1.465	1.849	1.841	1.708	1.634	1.2
er	.600	1.369	1.565	1.741	1.663	1.587	1.217	.600	1.445	1.812	1.828	1.709	1.630	1.2
Upper	•620	1.355	1.530	1.729	1.644	1.580	1.214	.620	1.427	1.782	1.814	1.692	1.627	1.2
D	•640	1.323	1.513	1.687	1.637	1.567	1.210	.640	1.388	1.756	1.788	1.684	1.618	1.2
	•660	1.341	1.526		1.196		1.204	•660	1.408	1.748		1.207	2 200	1.2
	•680	1.310	1.546	1.647	1.633	1.526	1.203	•680	1.378	1.745	1.758	1.695	1.586	1.2
	•690	1.314	1.549	1.639	1.627	1.534	1.203	•690	1.378	1.748	1.753	1.691	1.599	1.2
	•560		1.102	1.112				•560		1.105	1.127			
	•580		1.104	1.113	1.198	1.205	•960	•580		1.103	1.127	1.210	1.212	09
er	•600		1.102	1.112	1.196	1.203	•961	•600		1.104	1.127	1.212	1.218	09
Lower	•620		1.102	1.111	1.201	1.205	• 962	•620		1.105	1.127	1.211	1.212	.9
L	•640		1.102	1.112	1.194	1.204	•960 •960	•640		1.104	1.127	1.206	1.209	09
	.680		1.102	1.112	1.201	1.206	•960	a 680		1.102	1.129	1.214	1.215	.9
	•690		1.102	1.114	1.196	1.203	.960	•690		1.102	1.125	1.210	1.211	.9
	•560		1.098	1.110	1.201	1.202	•959	•560		1.103	1.127	1.209	1.211	
	•580		1.098	1.109	1.198	1.202	958	•580		1.105	1.127	1.211	1.210	.9
er	•600		1.099	1.111	1.201	1.202	•960	•600		1.104	1.128	1.210	1.211	09
dd	•620		1.098	1.109	1.198	1.202	•959	•620		1.105	1.123	1.211	1.211	.9
D	•640		1.099	1.113	1.200	1.203	•960	• 640		1.103	1.129	1.213	1.211	09
	•660		1.098	1.109	1.195	1.204	•960	•660		1.101	1.125	1.209	1.210	09
Upp	.688		1.098	1.111	1.200	1.202	•959 •960	.688 .688		1.102	1.127	1.211	1.211	69
9		1.107					199							
		1.055	1.528	1.071	1.083	1.002	•906 •913	•560	1.087	1.064	1.074	1.076	1.003	.9
		1.046	.989	1.050	1.069	1.114	•940	•600	1.031	.981	1.059	1.073	1.118	09
H	.620	1.057	1.044	1.045	1.072	1.095	.954		1.041	1.042	1.057	1.075	1.100	. 98
wer		1.066	1.083	1.041	1.081	1.115	•957	.640	1.051	1.082	1.059	1.081	1.117	0.91
Lower	•640				1.002	1.106	•998	660	1.092	1.067	1.100	7 000		
Lower	.660	1.105	1.067	1.087	1.083							1.089	1.112	
Lower	•660 •680		1.067 1.109 1.213	1.087	1.091	1.150	1.033	.680	1.165	1.111	1.106	1.093	1.158	1.05

TABLE  $^2$  .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{\text{S}}=^{-0*000}\text{c};\;\delta_{\text{d}}\text{=-0*00000c}\right]$ 

 $\delta_{\rm S} = -38000 \, \text{C}; \, \delta_{\rm d} = -38000 \, \text{C}$ 

T			Pressure	coefficient	t Cp at	$\frac{y}{b/2} = -$			F	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.9
-								444						
	.000	1.099 2.173	1.367	1.102	1.871	1.103	1.199	•000	1.110	1.401	1.183	2.163	1.608	1.2
	.030	2.152	2.100	1.961	1.728	1.588	1.246	•030	2.036	2.007	1.946	1.706	1.597	1.2
	.050	2.152	2.099	1.948	1.734	1.584	1.249	• 050 • 075	2.039	2.005	1.911	1.710	1.594	1.2
	.075	2 • 150	2.099	1.945	1.732	1.584	1.256	•100	2.043	2.010	1.891	1.707	1.591	1.2
	.100 .150	2.149	2.102	1.931	1.729	1.588	1.270	.150	2.036	2.013	1.889	1.704	1.592	1.2
	.200	2.127	2.097	1.923	1.724	1.594	1.277	.200	2.027	2.012	1.881	1.698	1.595	1 .2
	.250	2.119	2.098	1.913	1.724	1.598	1.281	• 250	2.025	2.013	1.880	1.695	1.597	102
	.300	2.085	2.096	1.905	1.727	1.605	1.282	•300 •350	2.014	2.013	1.878	1.701	1.602	100
4	• 350 • 400	2.017	2.084	1.903	1.728	1.615	1.284	• 400	1.955	2.007	1.869	1.707	1.619	102
Oppor	•450	1.840	2.038	1.885	1.731	1.619	1.281	.450	1.914	2.000	1.866	1.707	1.627	102
5	.500	1.785	2.030	1.873	1.727	1.625	1.285	.500	1.892	1 . 995	1.858	1.709	1.637	1.
	.520	1.745	2.015	1.877	1.742	1.618	1.280	•520	1.873	1.992	1 . 862	1.721	1.646	10
	.538	1.746	2.004	1.880	1.769	1.634	1.288	•538 •710	1.886	1.990	1.865	1.712	1.665	10
	•710 •720	1.513	1.801	1.789	1.714	1.625	1.278	.720	1.676	1.864	1.765	1.729	1.648	1.
	.740	1.510	1.762	1.753	1.708	1.619	1.288	.740	1.674	1.844	1.781	1.712	1.663	103
	.760	1.480	1.741	1.742	1.699	1.615	1.293	.760	1.638	1.829	1.771	1.702	1.662	103
	.780	1.480	1.718	1.729	1.693	1.611	1.297	.780	1.630	1.810	1.762	1.701	1.661	103
	.800	1 . 444	1.712	1.717	1.695	1.602	1.290	.800 .850	1.590	1.806	1.751	1.686	1.655	10:
1	.850	1.400	1.629	1.675	1.672	1.608	1.298	• 950	1.527	1.570	1.563	1.613	1.545	1.
	•950 1•000	1.294	1.478	1.500	1.577	1.366	•989	1.000	1.325	1.538	1.178	1.551	1.443	1.
	1,000	10241	10400	14172	1.000	10000	*,0,							
	.010	.068	•341	•355	.365	.401	.461	•010	.041	• 345	• 362	• 364	•405	
	.030	.152	• 325	.383	• 395	501	•550	•030 •050	•124 •211	• 306 • 350	· 365	• 375 • 418	.501	
	.050	• 243 • 325	• 375 • 436	•434 •502	.450 .509	•521 •573	•629 •697	.075	.294	•402	. 465	475	• 549	
	.075	• 396	• 490	•551	•573	.638	•743	•100	.361	.453	.514	.533	.615	
	.150	•507	•583	•642	.653	.720	.804	.150	. 473	.543	.599	.613	.694	
	.200	•567	.662	.695	.724	.797	.849	.200	.534	.624	.658	.690	•778	
	.250	e633	•719	•762	•786	.852	.870	• 250	.601	• 678	• 726	•752 •798	.832 .885	
	.300	.715	• 784	.822	.832	.901	.893	• 300 • 350	.682 .773	• 748 • 810	•783 •823	.850	•932	
H	.350	.800 .863	•846 •926	•857 •948	.885	• 949 • 982	•912 •931	.400	.832	. 895	.911	. 898	.974	
Lower	.400 .450	933	906	.944	.967	1.011	.941	. 450	.906	.879	.908	0943	1.011	
3	.500	. 949	.924	.998	• 995	1.034	.973	•500	.935	.902	• 968	0975	1.041	
1	,520	.963	.863	.995	1.010	1.042	.974	•520	.941	.845	. 973	4991	1.046	
	.540	.973	1.357	1.063	1.066	1.057	•987	• 540	•952	1.343	1.038	1.046	1.062	1.
	.710	1.113	1.208	1.162	1.207	1.204	1.076	.710 .740	1.111	1.211	1.074	1.197	1.173	1.
t	.740 .760	1.120	1.133 1.125	1.077	1.140	1.140	1.034	.760	1.124	1.135	1.139	1.145	1.165	10
	,780	1.151	1.133	1.121	1.151	1.163	1.024	.780	1.156	1.144	1.121	1.153	1.193	1.
	.800	1.120	1.110	1.133	1.163	1.171	1.038	.800	1.130	1.124	1.138	1.167	1.205	1.
	.850	1.124	1.164	1.166	1.195	1.196	1.040	.850	1.141	1.190	1.175	1.206	1.232	10
- }	.900	1.148	1.188	1.221	1.249	1.242	1.088	• 900	1.211	1.229	1.242	1.272	1.343	1.
	•950	1.164	1.221	1.262	1.318	1.286	18000	.,,,,	100.00	10271	10270			
	.560	1.707	1.940	1.881	_			• 560	1.864	1.963	1.869	1.727	1:460	1.
	.580	1.683	1.940	1.855	1.741	1.639	1.293	.580 .600	1.849	1.963	1.849	1.727	1.662	1.
pper	a600	1 . 663	1.898	1.849	1.743	1.640	1.291	•620	1.820	1.940	1.838	1.721	1.665	1.
Jp	.620 .640	1.645	1.879	1.819	1.728	1.629	1.288	.640	1.795	1.927	1.826	1.718	1 -664	1.
7	.660	1.607	1.869	14017	1.230		1.288	.660	1.790	1.917		1.235		1.
1	.680	1.576	1.864	1.806	1.745	1.609	1.288	.680	1.760	1.912	1.821	1.735	1.647	1.
Ur	.690	1.571	1.866	1.798	1.746	1.622	1.290	•690	1.752	1.913	1.817	1.746	1.660	1.
	•560		1.111	1.130				● 560		1.126	1.129			
	•580		1.110	1.130	1.232	1.217	1.012	•580		1.124	1.129	1.235	1.247	1.
er.	•600		1.111	1.131	1.232	1.220	1.017	•600		1.127	1.129	1.235	1.246	1.
	.620		1.111	1.132	1.232	1.221	1.013	• 620		1.127	1.132	1.238	1.248	1.
Low	.640		1.111	1.130	1.231	1.218	1.013	• 640 • 660		1.124	1.129	1.232	1.248	1.
-	•660		1.109	1.129	1.230	1.221	1.013	.680		1.123	1.130	1.236	1.245	10
	•690		1.111	1.129	1.232	1.211	1.012	.690		1.121	1.128	1.237	1.242	1.
				1 107	1.001	1.010	1.010	.560		1.121	1.127	1,232	1.242	1.
	•560 •580		1.109	1.127	1.231	1.213	1.012	•580		1.124	1.128	1.232	1.243	4.0
H	e600		1.111	1.130	1.230	1.218	1.017	•600		1.124	1.129	1.239	1.243	1.
be	•620		1.111	1.129	1.234	1.214	1.012	•620		1.124	1.124	1 . 235	1.246	1.
1n	•640		1.111	1.132	1.230	1.217	1.017	640		1.125	1.133	1.236	1.246	10
	•660		1.109	1.129	1.231	1.216	1.013	.660 .680		1.123	1.129	1.236	1.248	1
Upp	•680 •688		1.111	1.130	1.232	1.214	1.017	.688		1.123	1.127	1.236	1.244	1
		print to the second										1.070	1.010	
		1.072	1.023	1.064	1.083	1.001	•920 •955	•560 •580		1.584 .959	0992	1.032	1.010	
1 .		1.025	•978	1.050	1.083	1.117	•984	•600		• 975	1.033	1.069	1.130	
ower		1.035	1.043	1.051	1.088	1.101	•999	•620	1.024	1.037	1.032	1.076	1.114	1.
0		1.044	1.081	1.050	1.095	1.120	1.006	• 640		1.075	1.038	1.089	1.139	10
Н	660	1.088	1.067	1.102	1.105	1.116	1.045	• 660		1.063	1.088	1.099	1.132	10
		1.163	1.114	1.104	1.111	1.166	1.078	• 680 • 688	1.159	1.109	1.079	1.131	1.123	1.
			1.221	1.086	70743	1.107	10043		*****					

TABLE 2 .- PRESSURE COEFFICIENTS - Continued

[8<sub>s</sub> = -0.000 c; 8<sub>d</sub> = -0.00000 c]  $\alpha = 22^{\circ}$  $\alpha = 20^{\circ}$ Cp Pressure coefficient at Pressure coefficient  $C_p$  at  $\frac{V}{b/2} =$ x/c x/c 0.70 0.85 0.97 0.30 0.97 1.237 1.230 1.230 1.410 1.134 2.244 1.732 1.715 1.717 .000 1.147 1.951 1.951 1.452 1.957 1.942 1.275 1.979 1.990 1.237 .000 1.592 1.238 .030 1.828 1.823 1.606 1.579 1.876 1.919 1.676 .030 1.848 1.676 1.609 1.230 .050 1.959 1.943 1.912 1.578 1.606 1.827 1.945 1.889 1.716 1.577 1.243 .075 1.883 1.823 1.969 .075 1.672 1.818 1.605 1.234 1.247 .100 1.833 1.978 1.949 1,876 1.713 1.577 1.238 1.605 1.814 1.581 1.253 .150 1.903 1.838 .200 1.903 1 . 842 1.810 1.665 1.609 1.245 1.702 1.259 •200 •250 •300 1.583 1.977 1.960 1.874 1.252 1.974 1.967 1.952 1.964 1.969 1.968 1.877 1.881 1.879 1.912 1.912 1.908 1.668 1.849 1.812 1.584 1.263 . 250 1.266 1.272 1.274 1.617 .300 1.856 1.812 1.669 . 350 1.626 .350 .400 1.870 1.813 1.679 1.634 1.262 .400 1.938 1.965 1.873 1.707 1.606 1.643 1.267 1.278 • 450 1.685 1.709 1.905 1.878 1.815 1.964 1.868 ·450 1.920 1.908 1.881 1.817 1.694 1.651 1.272 1.623 1.960 1.862 1.704 1.651 1.274 1.963 .520 1.903 1.866 1.723 1.624 1.285 1.744 1.293 •538 1.919 1.889 1.823 1.724 1 . 665 1.283 .538 1.916 1.867 1 . 882 1.804 1.706 1.685 1.296 •710 •720 1.804 1.912 1.834 1.659 1.804 1.894 1.729 1.640 1.308 .720 1.829 1.871 1.798 1.785 1.653 1.310 .740 1.821 1.862 1.705 1.684 1.297 .740 1.782 1.888 1.809 1.701 1.302 1.856 1.798 1.706 1.653 1.316 .760 1.805 1.759 1.871 1.311 .780 1.799 1.846 1.770 1.698 1.684 1.308 1.702 .780 1.746 1.858 1.789 1.656 1.701 1.653 1.843 1.759 1.853 1.781 1.705 1.322 . 800 1.778 .850 1.738 1.810 1.737 1.696 1.686 1.306 1.695 1.269 .850 1.650 1.793 1.750 1.608 1.268 1.618 1.633 1.566 1.034 .950 1.594 1.703 1.472 .456 1.000 1.537 1 . 665 1.260 1.605 1.524 1.228 1.625 1.000 1.459 ng • 386 • 342 • 367 0419 .010 .022 . 358 .010 .022 ·359 .030 .083 .030 .354 .395 ·577 .313 .469 . 475 .050 .178 •326 •380 •439 .403 .668 •414 •456 •543 .505 ·457 •523 •581 .715 .075 .245 .358 .075 .259 .100 .309 .403 .485 . 496 4577 .694 .100 • 323 • 430 .419 .481 .755 .508 .569 4595 .664 .826 . 150 .413 .745 .851 ·200 ·476 .560 .619 .601 .643 0736 .806 .665 .582 .200 .495 .624 •668 •708 •757 .800 .832 .250 •563 •641 .691 .731 .805 .877 .857 .853 . 854 .897 .300 .624 .687 .300 • 747 • 827 •774 •863 .350 .818 .907 .883 .797 .833 .904 .925 .350 .734 .772 .907 .790 .853 .884 .873 .943 .943 . 400 .769 .927 .991 982 • 450 • 500 .847 .834 .861 .871 .915 .995 .930 .848 .893 4450 .869 .971 .885 .937 . 954 1.030 .963 .500 .902 .878 .947 .966 .913 981 1.030 - 984 .520 .896 .811 .941 .971 1.038 .823 .958 .520 1.010 1.027 1.054 .970 .929 908 •540 .925 1.097 1.047 1.321 1.028 1.032 1.201 1.163 1.205 1.225 1.044 .710 1.094 1.203 1.159 1.212 10242 1.051 1.106 1.137 1.078 1.208 1.186 1.033 1.083 .740 1.109 1.135 1.148 1.042 1.118 1.142 1.136 1.148 1.146 1.158 1.043 .760 1.056 .780 1.153 1.154 1.133 1.162 1.207 1.036 1.132 1.155 .780 1.153 1.146 1.182 1.051 1.139 .800 1.130 1.132 1.151 1.170 1.199 1.063 1.053 . 850 1.161 1.087 1 . 225 1.206 1.221 1.259 1.200 1.214 1.232 .850 .900 1.316 1.078 1.120 .900 1.206 1.259 1.265 1.280 1.289 .950 1.265 1.325 1.360 1.354 .766 1.297 1.358 1.352 1.336 1 · 882 •560 •580 1.901 1.895 1.886 1.953 1.873 ·560 •580 1.908 1.823 1.290 1.643 1.649 1.650 1.711 1.726 1.302 1.296 .600 1.898 1.885 1.814 1.716 1.676 1.946 1.852 1.729 .600 1.884 1.809 1.707 1.677 1.288 .620 1.880 1.945 1.848 1.677 1.864 1.937 1.838 1.720 1.653 1.301 -640 1.880 1.879 1.803 .640 1.884 1.281 1.290 1.302 1.880 .660 1.860 1.934 1.256 1.809 1.662 1.639 1.879 1.930 1.839 1.737 1.307 .680 1.862 .680 .690 1.650 1.862 1.885 1.807 1.725 1.681 1.297 1.837 .690 1.835 1.931 •560 •580 1.149 1.156 .560 1.285 1.283 1.014 1.251 1.146 .580 1.140 1.158 1.015 1.140 1.147 1.149 1.144 1.253 1.252 1.026 .600 1.149 .600 1.150 1.149 1.148 1.015 1.024 .620 1.159 1.284 1.282 .620 1.280 1.012 1.157 1.281 1.139 1.026 1.249 1.251 .640 1.024 1.251 1.253 .660 1.153 1 . 284 .660 1.148 1.158 1 . 285 1.283 1.014 .680 1.135 1.146 1.251 1.255 1.283 1.276 1.010 1.136 1.143 1.252 1.246 1.307 .690 1.147 1.153 .690 1.023 1.025 1.023 •560 •580 •600 1.143 1.146 1.147 1.149 •560 •580 1.132 1.153 1.283 1.281 1.014 1.159 1.279 1.283 1.015 1.250 •600 •620 1.150 1.137 1.251 1.014 1 . 284 1.284 1.138 1.145 1.251 1.249 1.027 .620 ·640 •660 1.149 1.159 1.281 1.016 1.024 1.284 1.151 1.253 1.251 .640 1.140 1.015 1.282 1.026 1.022 .680 1.249 . 680 1.149 1.156 1.281 1.281 1.086 . 688 1.146 1.152 1.280 1.284 1.013 .688 1.136 1.144 1.252 Deflector s Lower •913 •947 •979 1.052 1.000 1.595 1.024 .560 .560 1.586 1.027 1.056 1.023 961 1.008 1.006 1.016 .600 .620 .640 .984 .954 1.027 1.063 .600 .974 . 958 1.059 1.129 1.071 .620 .992 1.020 1.070 .995 1.002 1.024 1.028 1.102 1.082 1.123 1.054 1.013 1.062 1.035 . 640 1.001 1.054 1.024 1.082 1.137 1.002 1.053 1.048 1.077 1.092 1.137 1.042 1.062 1.053 1.089 1.108 1.101 1.098 1.107 1.175 1.101 . 680 1.136 1.093 1.195 . 688 1.190 1.207 1.073 1.132 1.133 1.086 1.077 1.118 1.020 .688 1.166 1.208 1.129

TABLE <sup>2</sup>.- PRESSURE COEFFICIENTS - Concluded  $\delta_{\rm S} = -0*000 \, {\rm c}; \; \delta_{\rm d} = -0*0000 \, {\rm c}]$ 

T	-			coefficien	t C <sub>p</sub> at	<u>y</u> = -			D		α = * °	C <sub>p</sub> at	<u>y</u> = -	
	x/c					D/2		x/c					b/2	
		0.15	0.30	0.50	0.70	0.85	0.97		0.15	0.30	0.50	0.70	0.85	0.9
	.000	1.095	1.387	1.301	1.836	1.388	1.244	.000						
1	.010	1.771	1.766	1.895	1.659	1 . 605	1.234	.010						
	•030	1.760	1.742	1.882	1.651	1.596	1.235	.030						
	•050	1.760	1.736	1.821	1.653	1.597	1.237	.050 .075						
	.075 .100	1.757	1.735	1.801	1.649	1.593	1.241	.100						
	•150	1.773	1.751	1.801	1.651	1.602	1.247	. 150						
	.200	1.774	1.751	1.795	1.648	1.597	1.252	• 200						
	.250	1.783	1.760	1.801	1.652	1.605	1.259	• 250						
	.300	1.788	1.769	1.801	1.657	1.612	1.260	.300						
	.350	1.799	1.781	1.807	1.662	1.619	1.264	• 350						
10000	•400	1.809	1.791	1.809	1.666	1.624	1.270	• 400						
34	•450	1.817	1.801	1.812	1.671	1.632	1.272	• 450						
	•500	1.828	1.808	1.812	1.675	1.638	1.278	• 500						
	•520	1.822	1.815	1.818	1.683	1.643	1.282	• 520 • 538						
	•538 •710	1.834	1.823	1.822	1.704	1.674	1.300	.710						
	•720	1.812	1.842	1.793	1.700	1.660	1.299	.720						
	.740	1.808	1.837	1.796	1.687	1.670	1.300	.740						
	.760	1.800	1.832	1.790	1.683	1.673	1.304	.760						
1	.780	1.806	1.828	1.784	1.683	1.671	1.309	.780						
	.800	1.796	1.827	1.776	1.689	1.671	1.308	.800						
	.850	1.780	1.815	1.759	1.681	1.675	1.311	. 850						
	•950	1.690	1.750	1.684	1.646	1.611	1.277	• 950						
	1.000	1.638	1.706	1.312	1.600	1.527	1.051	1.000						
	.010	.017	.361	•400	.405	.424	.466	.010						
	.030	076	. 282	.344	.360	. 727	.500	.030						
	.050	.155	.307	.362	.381	.461	•567	.050						
	.075	.234	.346	•405	.425	.500	•635	• 075						
	.100	.294	•388	•445	• 474	•560	•683	.100						
	•150	• 398	• 473	•530	•548	• 640	۰746	• 150						
	•200	• 461	.546	•590	.619	• 725	.802	• 200						
	•250 •300	• 525 • 606	.604 .672	.652 .717	•687 •736	.784 .834	•827 •858	• 250 • 300						
	•350	.694	.732	.766	.792	.896	.877	.350						
5	• 400	.745	.810	.861	.839	• 936	•900	• 400						
TOMOT	.450	.826	.825	.872	.895	.983	•930	• 450						
3	.500	. 868	.857	•940	. 936	1.015	• 965	.500						
-	•520	.879	.807	•948	.949	1.024	.949	•520						
	.540	.891	1.311	1.018	1.008	1.040	•968	• 540						
	•710	1.085	1.212	1.176	1.192	1.235	1.077	• 710						
-	•740	1.098	1.152	1.098	1.187	1.180	1.033	• 740						
	•760	1.114	1.156	1.166	1.135	1.172	1.045	• 760 • 780						
	•780 •800	1.153	1.171	1.156	1.149	1.203	1.036	.800						
	.850	1.171	1.250	1.235	1.216	1.250	1.060	. 850						
	.900	1.245	1.319	1.309	1.287	1.310	1.086	• 900						
	•950	1.339	1.399	1.391	1.373	1.391	1.124	• 950						
	•560	1.828	1.819	1.827		1 /50		• 560						
F4	•580	1.825	1.820		1.693	1.659	1.296	• 580						
pper	•600 •620	1.827	1.830	1.813	1.696	1.663	1.294	.600 .620						
5	.640	1.822	1.832	1.807	1.690	1.667	1.295	•640						
-	.660	1.827	1.834	1.007	1.287	1.001	1.297	.660						
	.680	1.818	1.841	1.811	1.702	1.657	1.299	. 680						
	.690	1 . 822	1.840	1.813	1.706	1.670	1.304	.690						
							1	1						
- 1				1.196				• 560 • 580						
1	•560		1.176	10170			1.017							
	•580		1.177	1.197	1.291	1.287								
er	•580 •600		1.177 1.176	1.197 1.197	1.290	1.289	1.019	.600						
ower	•580 •600 •620		1.177 1.176 1.179	1.197 1.197 1.197	1.290	1.289	1.019	.600 .620						
Lower	•580 •600 •620 •640		1.177 1.176 1.179 1.178	1.197 1.197 1.197 1.196	1.290 1.289 1.289	1.289 1.292 1.287	1.019 1.019 1.016	.600 .620 .640						
Lower	•580 •600 •620 •640 •660		1.177 1.176 1.179 1.178 1.175	1.197 1.197 1.197 1.196 1.191	1.290 1.289 1.289 1.289	1.289 1.292 1.287 1.289	1.019 1.019 1.016 1.021	.600 .620 .640						
Lower	•580 •600 •620 •640 •660		1.177 1.176 1.179 1.178 1.175 1.174	1.197 1.197 1.197 1.196 1.191 1.196	1.290 1.289 1.289 1.289 1.288	1.289 1.292 1.287 1.289 1.289	1.019 1.019 1.016 1.021 1.018	.600 .620 .640						
Lower	•580 •600 •620 •640 •660		1.177 1.176 1.179 1.178 1.175	1.197 1.197 1.197 1.196 1.191	1.290 1.289 1.289 1.289	1.289 1.292 1.287 1.289 1.289	1.019 1.019 1.016 1.021	.600 .620 .640 .660						
Lower	.580 .600 .620 .640 .660 .680 .690		1.177 1.176 1.179 1.178 1.175 1.174 1.171	1.197 1.197 1.197 1.196 1.191 1.196 1.191	1.290 1.289 1.289 1.289 1.288 1.287	1.289 1.292 1.287 1.289 1.289 1.284	1.019 1.019 1.016 1.021 1.018 1.015	.600 .620 .640 .660 .680 .690						
Lower	.580 .600 .620 .640 .660 .680 .690		1.177 1.176 1.179 1.178 1.175 1.174 1.171	1.197 1.197 1.197 1.196 1.191 1.196 1.191	1.290 1.289 1.289 1.289 1.288 1.287	1.289 1.292 1.287 1.289 1.289 1.284	1.019 1.019 1.016 1.021 1.018 1.015	.600 .620 .640 .660 .680 .690						
er	.580 .600 .620 .640 .660 .680 .690		1.177 1.176 1.179 1.178 1.175 1.174 1.171 1.171 1.171 1.175 1.176	1.197 1.197 1.197 1.196 1.191 1.196 1.191	1.290 1.289 1.289 1.289 1.288 1.287 1.287 1.290 1.284	1.289 1.292 1.287 1.289 1.289 1.284 1.280 1.284 1.287	1.019 1.019 1.016 1.021 1.018 1.015	.600 .620 .640 .660 .680 .690						
er	.580 .600 .620 .640 .660 .680 .690 .560 .580 .600		1.177 1.176 1.179 1.178 1.175 1.174 1.171 1.171 1.175 1.176 1.179	1.197 1.197 1.197 1.196 1.191 1.196 1.191	1.290 1.289 1.289 1.289 1.288 1.287 1.287 1.287 1.284 1.284	1.289 1.292 1.287 1.289 1.289 1.284 1.284 1.284	1.019 1.019 1.016 1.021 1.018 1.015	600 620 640 660 680 690 560 580 600						
er	.580 .600 .620 .640 .660 .680 .690 .580 .600 .620		1.177 1.176 1.179 1.178 1.175 1.174 1.171 1.171 1.175 1.176 1.179	1.197 1.197 1.197 1.196 1.191 1.196 1.191 1.192 1.196 1.197 1.191	1.290 1.289 1.289 1.289 1.287 1.287 1.287 1.287 1.284	1.289 1.292 1.287 1.289 1.289 1.284 1.280 1.284 1.287 1.289	1.019 1.019 1.016 1.021 1.018 1.015 1.016 1.016 1.018 1.018 1.016	600 620 640 660 680 690 560 580 600 620						
er	.580 .600 .620 .640 .660 .680 .690 .580 .600 .620 .640		1.177 1.176 1.179 1.178 1.175 1.174 1.171 1.175 1.176 1.179 1.179	1.197 1.197 1.197 1.196 1.191 1.196 1.191 1.196 1.197 1.191 1.203 1.196	1.290 1.289 1.289 1.289 1.287 1.287 1.287 1.284 1.284 1.284	1.289 1.287 1.287 1.289 1.284 1.284 1.284 1.287 1.289 1.289	1.019 1.019 1.016 1.021 1.018 1.015 1.016 1.016 1.016 1.016 1.021 1.018	.600 .620 .640 .660 .680 .690 .580 .600 .620 .640						
er	.580 .600 .620 .640 .660 .680 .690 .580 .600 .620		1.177 1.176 1.179 1.178 1.175 1.174 1.171 1.171 1.175 1.176 1.179	1.197 1.197 1.197 1.196 1.191 1.196 1.191 1.192 1.196 1.197 1.191	1.290 1.289 1.289 1.289 1.287 1.287 1.287 1.287 1.284	1.289 1.292 1.287 1.289 1.289 1.284 1.280 1.284 1.287 1.289	1.019 1.019 1.016 1.021 1.018 1.015 1.016 1.016 1.018 1.018 1.016	600 620 640 660 680 690 560 580 600 620						
Upper	.580 .600 .620 .640 .680 .690 .580 .600 .620 .640 .640		1.177 1.176 1.179 1.178 1.175 1.174 1.171 1.175 1.176 1.179 1.178	1.197 1.197 1.196 1.191 1.196 1.191 1.196 1.197 1.196 1.197 1.203 1.196 1.198 1.192	1.290 1.289 1.289 1.289 1.288 1.287 1.287 1.284 1.287 1.284 1.284	1.289 1.292 1.287 1.289 1.289 1.284 1.284 1.287 1.289 1.289 1.285 1.285	1.019 1.019 1.016 1.021 1.018 1.015 1.016 1.016 1.016 1.016 1.021 1.018 1.018 1.016	600 620 640 660 680 690 550 600 620 640 660 688						
er	.580 .600 .620 .640 .660 .680 .690 .580 .600 .620 .640 .680 .688	•990	1 • 177 1 • 176 1 • 179 1 • 178 1 • 175 1 • 174 1 • 171 1 • 175 1 • 176 1 • 178 1 • 178 1 • 177	1.197 1.197 1.196 1.191 1.196 1.191 1.196 1.197 1.196 1.197 1.203 1.196 1.198 1.192	1.290 1.289 1.289 1.289 1.288 1.287 1.287 1.284 1.287 1.284 1.288 1.289 1.290	1.289 1.287 1.289 1.289 1.284 1.284 1.284 1.287 1.289 1.289 1.285 1.285	1.019 1.019 1.016 1.021 1.018 1.015 1.016 1.016 1.018 1.018 1.018 1.016	.600 .620 .640 .660 .690 .580 .690 .620 .640 .680 .688						
Upper	.580 .600 .640 .660 .680 .690 .580 .640 .640 .688 .688	• 956	1.177 1.176 1.179 1.178 1.175 1.174 1.171 1.175 1.176 1.179 1.178 1.178 1.174 1.178 1.177	1.197 1.197 1.196 1.191 1.196 1.191 1.192 1.196 1.197 1.191 1.203 1.196 1.198 1.192	1.290 1.289 1.289 1.289 1.288 1.287 1.287 1.284 1.284 1.288 1.289 1.290	1 • 289 1 • 292 1 • 287 1 • 289 1 • 289 1 • 284 1 • 287 1 • 289 1 • 290 1 • 285 1 • 288	1.019 1.019 1.016 1.021 1.018 1.015 1.016 1.016 1.016 1.016 1.018 1.018 1.018 1.018	.600 .620 .640 .660 .680 .690 .580 .600 .640 .660 .680 .680						
Upper	.580 .600 .620 .640 .660 .680 .690 .580 .600 .620 .640 .680 .688 .688	• 956 • 961	1.177 1.176 1.179 1.178 1.175 1.174 1.171 1.171 1.175 1.176 1.179 1.178 1.177 1.178 1.177	1.197 1.197 1.197 1.196 1.191 1.196 1.191 1.196 1.197 1.203 1.196 1.198 1.198 1.192 1.198 1.192	1.290 1.289 1.289 1.289 1.288 1.287 1.287 1.284 1.284 1.284 1.284 1.289 1.290	1.289 1.292 1.287 1.289 1.284 1.284 1.284 1.287 1.290 1.285 1.288 1.286	1.019 1.019 1.016 1.021 1.018 1.015 1.016 1.018 1.018 1.018 1.018 1.018 1.016 1.018 1.016	600 620 640 660 680 690 550 600 600 680 680 680 688						
Upper	.580 .600 .620 .640 .660 .680 .580 .560 .620 .640 .688 .560 .688	• 956 • 961 • 980	1.177 1.176 1.179 1.178 1.175 1.174 1.171 1.175 1.176 1.179 1.178 1.174 1.177 1.178 1.174 1.178 1.179 1.178 1.179 1.178 1.174 1.178 1.175 1.178 1.174 1.178	1.197 1.197 1.197 1.196 1.191 1.196 1.191 1.196 1.197 1.191 1.203 1.196 1.192 1.196 1.192 1.196 1.192 1.197	1.290 1.289 1.289 1.289 1.288 1.287 1.290 1.284 1.287 1.284 1.289 1.290 1.001 1.042 1.042	1.289 1.292 1.287 1.289 1.289 1.284 1.287 1.289 1.290 1.285 1.288 1.286	1.019 1.019 1.016 1.021 1.018 1.015 1.016 1.016 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018	.600 .620 .640 .660 .680 .690 .560 .620 .640 .680 .680 .680 .680 .688						
er	.580 .600 .620 .640 .660 .680 .690 .580 .600 .640 .688 .580 .690 .680 .680 .680 .680 .680 .680 .680 .68	• 956 • 961 • 980 • 990	1.177 1.176 1.179 1.178 1.175 1.174 1.171 1.175 1.176 1.179 1.178 1.174 1.177 1.177 1.178 1.177 1.1059	1.197 1.197 1.197 1.196 1.191 1.196 1.191 1.192 1.196 1.197 1.191 1.203 1.196 1.198 1.192 1.020 1.027 1.033 1.036	1.290 1.289 1.289 1.288 1.287 1.288 1.287 1.290 1.284 1.287 1.290 1.001 1.002 1.001 1.004 1.005 1.005	1.289 1.292 1.287 1.289 1.289 1.284 1.287 1.287 1.289 1.285 1.288 1.286	1.019 1.01019 1.0106 1.021 1.018 1.015 1.016 1.016 1.018 1.018 1.016 1.018 1.018 1.016 1.018 1.018 1.016	600 620 640 660 680 690 560 660 680 680 680 680 680 680 680 680						
Upper	.580 .600 .620 .640 .660 .680 .580 .560 .620 .640 .688 .560 .688	• 956 • 961 • 980	1.177 1.176 1.179 1.178 1.175 1.174 1.171 1.175 1.176 1.179 1.178 1.174 1.177 1.178 1.174 1.178 1.179 1.178 1.179 1.178 1.174 1.178 1.175 1.178 1.174 1.178	1.197 1.197 1.197 1.196 1.191 1.196 1.191 1.196 1.197 1.191 1.203 1.196 1.192 1.196 1.192 1.196 1.192 1.197	1.290 1.289 1.289 1.289 1.288 1.287 1.290 1.284 1.287 1.284 1.289 1.290 1.001 1.042 1.042	1.289 1.292 1.287 1.289 1.289 1.284 1.287 1.289 1.290 1.285 1.288 1.286	1.019 1.019 1.016 1.021 1.018 1.015 1.016 1.016 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018 1.018	.600 .620 .640 .660 .680 .690 .560 .620 .640 .680 .680 .680 .680 .688						

TABLE 3 .- PRESSURE COEFFICIENTS

 $\left[\delta_{S} = -0.005 \, c; \, \delta_{d} = -0.00000 \, c\right]$ 

					a = -4°							a = -2°			and in
No.   1.70		1-		Pressure	coefficien	t Cp a	$t \frac{y}{b/2} = -$	- 2	/-	P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
0100		x/c	0.15	0.30	0.50	0.70			x/c	0.15	0.30	0.50	0.70	0.85	0.97
0100										252	010	1 470	. 702	1.152	.108
0.00									.010	.946	• 937	.802	.794	0655	•658
1075   991   497   493   495		.030	.819	.795	•698	•693									
100				.897		.835	.825	.759	•075	1.021	1.044	1.009	•999	.986	
1.000   1.00	16118								•100 •150					1.076	
1.000   1.007   1.004   1.002   1.003   1.001   1.004   1.005   1.007   1.00	1	.200	• 988	•992	•959	.973	• 972	.843	•200	1.070	1.083	1.072		1.073	
### 1930 1.037 1.041 1.022 1.038 1.071 8.070					1.009	1.021	1.003			1.087	1.099	1.102	1.106	1.112	.879
1.520   1.034   1.037   1.034   1.038   1.035   1.036   1.032   1.032   1.133   1.089   1.037   1.034   1.03	H	•350	1.037	1.041	1.022										
1.520   1.034   1.037   1.034   1.038   1.035   1.036   1.032   1.032   1.133   1.089   1.037   1.034   1.03	Jppe	•450	1.049	1.051	1.019	1.071	1.076	.869	• 450	1.099	1.103	1.101	1.130		
1.000   1.001   1.002   1.003   1.00										1.078	1.082			1.089	.857
1.00		•538	1.063	1.124		1.127	1.080			1.107	1.246				
1,000	1	•710				1.131	1.163	.945	•720	1.093	1.259	1.261	1.200	1.242	.975
1.002   1.002   1.002   1.003   1.00															
Second   1.005		•780	1.082	1.025	•988	1.026	1.012	.818	.780	1.108	1.045	1.031	1.059		
Second   1.88   1.890   1.881   2.097   2.038   1.471   1.155   1.286   1.482   1.574   1.694   1.222   1.223   1.492   1.492   1.223   1.492   1.233   1.492   1.233   1.492   1.233   1.492   1.233   1.233   1.493   1.234   1.233   1.233   1.233   1.233   1.233   1.233   1.233   1.234   1.233   1.233   1.233   1.233   1.233   1.233   1.233   1.234   1.235   1.234   1.235   1.234   1.234   1.235   1.23	ace						1.012					1.042	1.059	1.035	.824
Second   1.88   1.890   1.881   2.097   2.038   1.471   1.155   1.286   1.482   1.574   1.694   1.222   1.223   1.492   1.492   1.223   1.492   1.233   1.492   1.233   1.492   1.233   1.492   1.233   1.233   1.493   1.234   1.233   1.233   1.233   1.233   1.233   1.233   1.233   1.234   1.233   1.233   1.233   1.233   1.233   1.233   1.233   1.234   1.235   1.234   1.235   1.234   1.234   1.235   1.23	urf	.950	1.031	1.011	.871	•921	.835	.694						• 960	
1.250   1.492   1.492   1.577   1.699   1.151   1.050   1.030   1.037   1.237   1.337   1.467   1.578   1.557   1.101   1.050   1.031   1.331   1.331   1.430   1.331   1.430   1.231   1.331   1.430   1.331   1.430   1.331   1.33		1.000	1.043	• 993	•523		*281	. 320	1.000						
1.050   1.233   1.397   1.467   1.576   1.577   1.010   1.050   1.077   1.200   1.318   1.331   1.430   1.033   1.031   1.03	Wir		1.494				2.038	1.471		1.087	1.286			1.694	1.089
100		.050	1.233	1.397	1.467	1.574		1.101	• 050	1.077	1.200	1.318	1.351		1.033
150   1.244   1.351   1.373   1.382   1.274   .967   .150   1.147   1.254   1.208   1.274   .228   .220   .220   1.390   1.300   1.300   1.354   1.266   .942   .220   1.111   1.270   1.268   1.243   .228   .230   .230   1.283   1.357   1.315   1.325   1.225   1.225   1.225   .225   .220   .220   .235   .220   .235   1.325   1.325   1.325   1.226   1.225   1.225   .235   1.255   1.334   1.225   1.235   1.256   1.228   1.157   .916   .500   1.313   1.316   1.270   1.220   1.180   .990   .540   1.334   1.225   1.225   1.225   1.125   1.255   1.235   1.165   .931   .520   1.331   1.316   1.257   1.220   1.180   .990   .710   1.344   1.333   1.116   1.137   1.486   .896   .450   1.334   1.235   1.256   1.228   1.257   1.250   1.315   .540   1.314   1.375   1.300   1.249   1.180   .990   .710   .302   .227   1.128   1.118   1.073   .932   .780   1.231   1.325   1.256   1.228   1.257   1.258	100									1.077	1.202	1.270	1.316	1.297	0965
1.200   1.294   1.294   1.210   1.296   1.295   1.227   1.270   1.289   1.278   1.223   .928   .930   1.283   1.399   1.391   1.397   1.228   .944   .300   1.281   1.294   1.290   1.284   1.221   .939   .930   1.283   1.397   1.397   1.292   1.294   1.221   .938   .350   1.261   1.313   1.266   1.254   1.212   .939   .400   1.295   1.254   1.212   .939   .400   1.295   1.254   1.214   .204   .936   .450   1.372   1.331   1.265   1.228   1.212   1.168   .896   .450   1.333   1.215   1.215   1.222   .186   .930   .930   .333   1.215   1.216   .1920   .930   .320   .331   1.316   1.270   1.220   .188   .930   .220   1.301   1.335   1.255   1.231   1.165   .931   .520   1.331   1.316   1.270   1.220   .188   .930   .710   1.394   1.233   1.225   1.223   1.188   .994   .995   .400   .207   1.230   1.173   .915   .916   .991   .200   1.313   1.316   1.270   1.220   1.188   .897   .780   1.297   1.297   1.125   1.125   1.128   .901   .901   .201   .201   .128   .901   .201		.150	1.244	1.351	1.373	1.382	1.274				1.254				
1.350   1.253   1.267   1.292   1.294   1.221   .938   .350   1.261   1.313   1.266   1.235   1.224   .931   .931   .246   1.234   1.204   .934   .450   1.372   1.331   1.256   1.222   1.168   .896   .450   1.373   1.256   1.223   1.266   1.235   .1265   .228   1.257   .901   .352   1.331   1.256   1.228   1.165   .931   .520   1.331   1.256   1.228   1.180   .902   .520   1.340   1.368   1.257   1.229   1.180   .902   .520   1.340   1.368   1.257   1.259   1.173   .915   .520   1.313   1.316   1.270   1.220   1.180   .902   .710   1.344   1.334   1.221   1.228   1.184   .494   .704   1.313   1.303   1.231   1.255   1.228   1.184   .948   .704   1.313   1.373   1.329   1.244   1.181   .908   .707   .708   1.207   1.207   1.208   1.108   .902   .708   1.208   1.221   1.184   .108   .902   .708   .708   1.208   1.221   1.184   .108   .902   .708   .70						1.341	1.236	.951	• 250	1.127	1.270	1.269	1.278	1.223	.926
1						1.307									
1.520   1.360   1.368   1.255   1.231   1.165   .991   .520   1.301   1.336   1.258   1.216   1.171   .999   .990   .990   1.201   1.344   1.334   1.225   1.220   1.148   .946   .710   1.334   1.123   1.116   1.178   1.996   .944   .740   1.299   1.220   1.159   1.125   1.073   .933   .760   1.299   1.220   1.152   1.168   1.124   .886   .760   1.299   1.227   1.134   1.118   1.081   .922   .780   1.285   1.221   1.181   1.096   .928   .890   1.274   1.202   1.128   1.111   1.073   .932   .890   1.274   1.120   1.144   1.089   1.057   1.023   .922   .930   1.261   1.191   1.142   1.181   1.089   .887   .990   1.201   1.144   1.089   1.057   1.023   .922   .990   1.201   1.144   1.075   .990   .990   1.201   1.144   1.089   1.057   1.023   .922   .990   1.193   1.165   1.096   1.073   1.088   .881   .990   .9	Wer	•400	1.348	1.400	1.320	1.266	1.202	.936	• 400	1.295	1.354	1.316	1.234		
\$520 1.340 1.358 1.255 1.231 1.165	3											1.270	1.220	1.180	.902
**************************************		.520	1.340	1.368	1.255	1.231	1.165	•931					1.216		
1-20						1.220	1.148	•948	•710	1.320	1.326	1.250	1.230	1.178	.897
1.780							1.073			1.285					
1.050   1.219   1.88   1.094   1.079   1.040   9.928   9.900   1.201   1.144   1.069   1.057   1.023   9.922   9.950   1.196   1.071   1.043   1.043   1.045   1.075   1.023   9.922   9.950   1.192   1.096   1.073   1.093		.780	1.302	1.237	1.134	1.118	1.081	.922	.780	1.288	1.229	1.152	1.118		
100   1.201   1.144   1.069   1.057   1.023   .922   .950   1.146   1.073   1.084   .879   .817   .950   1.146   1.073   1.108   .940   .950   .950   1.146   1.073   1.080   .940   .950   .950   1.146   1.073   1.080   .940   .950   .950   .950   .950   1.141   .978   .950						1.079	1.040		.850	1.220		1.118	1.091	1.065	.852
*560 1.088 1.108 1.104		.900	1.201	1.144	1.069	1.057	1.023	•922				1.096	1.073		
0.00		.950		1.013		6704	.019	•01.							
			1.088	1.108	1.104	1.131	1.084	.874	•560	1.110					
*560	per	•600	1.069	1.114	1.078	1.120	1.141								
*560	e: Up	•640				1.096	1.134	.879	•640	1.086	1.158		1.145	1.188	.884
*560	fac	•660			1.131							1.208			
*560	sur	•690									1.209	1.227	1.223	1.266	0944
*620	ler	•560		1.202											
*620	poi	•580		1.201	1.201				•580						
*660 1:204 1:196 1:213 1:201 950 6690 1:244 1:259 1:258 1:259 980 690 1:199 1:161 1:211 1:201 950 6690 1:244 1:259 1:258 1:259 980 1:262 1:264 1:259 1:262 984 600 1:201 1:199 1:161 1:211 1:201 950 6600 1:247 1:262 1:255 1:259 982 6600 1:204 1:209 1:261 1:211 1:207 955 6600 1:247 1:262 1:255 1:255 1:259 982 6600 1:201 1:211 1:211 1:207 955 6600 1:247 1:262 1:255 1:255 1:259 982 6600 1:209 1:261 1:211 1:219 1:207 955 6600 1:247 1:262 1:255 1:259 982 6600 1:209 1:261 1:211 1:219 1:203 953 6600 1:244 1:259 1:255 1:255 982 6600 1:209 1:261 1:211 1:219 1:203 953 6600 1:244 1:261 1:255 1:255 1:259 982 6600 1:209 1:261 1:211 1:213 1:203 953 6600 1:244 1:261 1:255 1:257 982 6600 1:209 1:209 1:209 1:213 1:203 953 6600 1:244 1:261 1:255 1:257 982 6600 1:209	Swei			1.208	1.209	1.218	1.212	.960	•620		1.248	1.262	1.258	1.265	
*680 1.204 1.196 1.213 1.201 .950 690 1.241 1.256 1.258 1.259 .980 690 1.214 1.256 1.257 1.253 .977    *560 1.189 1.176 1.201 1.184 .942	l o	•640		1.209										1.260	• 986
*560		•680		1.204	1.196	1.213	1.201	• 950	.680		1.244	1.259			
*580		.690		10199		1.203	101//	.741	,			10250			
*** 6600	Torse.				1.176		1.184	•942			1.237	1.259	1.259	1.262	
*** 640	er	•600		1.208	1.206	1.218	1.217	.960	•600		1.247	1.262	1.255	1.261	.982
*560 1.441 1.320 1.305 1.270 1.115 *827 *560 1.370 1.313 1.234 1.211 1.108 *896 *580 1.370 1.313 1.234 1.211 1.108 *896 *580 1.336 1.282 1.221 1.191 1.111 *683 *620 1.348 1.333 1.215 1.208 1.141 *909 *620 1.316 1.309 1.226 1.215 1.180 *873 *600 1.316 1.332 1.222 1.191 1.112 *873 *600 1.316 1.309 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1	ye:						1.221	.960	.640		1.248	1.262	1.258	1.262	.982
*560 1.441 1.320 1.305 1.270 1.115 *827 *560 1.370 1.313 1.234 1.211 1.108 *896 *580 1.370 1.313 1.234 1.211 1.108 *896 *580 1.336 1.282 1.221 1.191 1.111 *683 *620 1.348 1.333 1.215 1.208 1.141 *909 *620 1.316 1.309 1.226 1.215 1.180 *873 *600 1.316 1.332 1.222 1.191 1.112 *873 *600 1.316 1.309 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1	rfac	•660		1.205	1.202	1.213	1.203							1.255	
*560 1.441 1.320 1.305 1.270 1.115 *827 *560 1.370 1.313 1.234 1.211 1.108 *896 *580 1.370 1.313 1.234 1.211 1.108 *896 *580 1.336 1.282 1.221 1.191 1.111 *683 *620 1.348 1.333 1.215 1.208 1.141 *909 *620 1.316 1.309 1.226 1.215 1.180 *873 *600 1.316 1.332 1.222 1.191 1.112 *873 *600 1.316 1.309 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1.316 1.300 1.226 1.201 1.152 *873 *600 1	sm											1.258			
1	tor	.560	1.441	1,320	1.305	1.270	1.115	.827	•560	1.405		1.300		1.108	.814
** 660 1.358 1.301 1.222 1.184 1.121 .955   .660 1.327 1.285 1.241 1.185 1.145 .907   .680 1.386 1.298 1.202 1.172 1.129 .943   .680 1.373 1.281 1.229 1.178 1.155 .915	Tec	•580	1.370	1.313	1.234	1.211	1.108	.896	•580	1.332	1.282	1.221	1.191		e863
** 660 1.358 1.301 1.222 1.184 1.121 .955   .660 1.327 1.285 1.241 1.185 1.145 .907   .680 1.386 1.298 1.202 1.172 1.129 .943   .680 1.373 1.281 1.229 1.178 1.155 .915	Dei				1.215	1.208	1.141	•909	•620	1.310	1.310	1.226	1.201	1.152	.876
680 1-386 1-298 1-202 1-172 1-129 -943 -680 1-373 1-281 1-229 1-178 1-155 -915	Lo	•640	1.341	1.332	1.202		1.142								
•688 1•141 1•309 1•173 1•179 1•088 •923   •688 1•126 1•291 1•203 1•195 1•116 •885		•680	1.386	1.298	1.202	1.172	1.129	.943	•680	1.373	1.281	1.229	1.178	1.155	.915
		•688	1.141	1.309	1.173	1.179	1.088	•923	• 688	1.126	1.291	1.203	1.195	10110	.885

TABLE 3.- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{S} = -0.005_{C}; \delta_{d} = -0.0000_{C}\right]$ 

		]	Pressure	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	-	-	P:	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Surface: Upper	.000 .010 .030 .050 .075 .100 .250 .350 .350 .350 .400 .450 .520 .520 .538 .710 .740 .740 .740 .760 .780 .850 .850 .950	*313 1.374 1.231 1.235 1.156 1.163 1.171 1.159 1.166 1.158 1.158 1.126 1.158 1.125 1.134 1.134 1.134 1.135 1.134 1.125	.498 1.387 1.269 1.213 1.190 1.196 1.172 1.164 1.155 1.157 1.161 1.139 1.124 1.224 1.224 1.262 1.269 1.069 1.069 1.069	.214 1.252 1.188 1.175 1.158 1.159 1.157 1.151 1.172 1.161 1.155 1.137 1.129 1.117 1.095 1.281 1.281 1.057 1.057 1.055 1.057	2386 1.238 1.187 1.148 1.150 1.161 1.171 1.165 1.157 1.165 1.157 1.158 1.159 1.101 1.157 1.227 1.069 1.226 1.065 1.065 1.065 1.065 1.068	578 1.136 1.125 1.138 1.154 1.143 1.161 1.155 1.159 1.164 1.118 1.154 1.164 1.118 1.262 1.263 1.065 1.039 1.065 1.039 1.051 1.040 1.040	.292 .954 .944 .929 .902 .906 .902 .895 .899 .895 .899 .887 .902 .870 .861 .881 .984 .984 .984 .984 .984 .984 .984 .984	.000 .010 .030 .050 .075 .100 .150 .200 .250 .300 .450 .500 .520 .538 .710 .720 .740 .760 .780 .850 .850	*332 1-711 1-427 1-384 1-287 1-271 1-229 1-229 1-221 1-222 1-129 1-200 1-170 1-153 1-153 1-153 1-149 1-129 1	. 287 2.010 1.589 1.447 1.374 1.352 1.295 1.269 1.225 1.228 1.218 1.215 1.188 1.215 1.260 1.278 1.285 1.175 1.260 1.278 1.285 1.175 1.260 1.278 1.285	.260 1.902 1.554 1.429 1.365 1.269 1.266 1.224 1.221 1.221 1.221 1.167 1.165 1.167 1.109 1.009 1	.596 1.931 1.532 1.388 1.331 1.294 1.270 1.227 1.229 1.206 1.134 1.194 1.215 1.223 1.100 1.083 1.079 1.079 1.066 1.009	.311 1.902 1.459 1.390 1.390 1.293 1.226 1.229 1.229 1.198 1.229 1.198 1.194 1.148 1.169 1.263 1.067 1.061	.379 1.241 1.074 1.011 .965 .950 .937 .925 .916 .916 .920 .908 881 .849 .997 .881 .845 .845
Wing	**O10 **O30 **O50 **O70	*864 *893 *945 *970 1.055 1.059 1.163 1.215 1.277 1.305 1.277 1.305 1.273 1.273 1.273 1.273 1.273 1.273 1.273 1.273 1.284 1.273 1.285	.944 .999 1.021 1.050 1.078 1.152 1.192 1.299 1.254 1.304 1.245 1.275 1.275 1.297 1.297 1.297 1.297 1.212 1.338 1.212 1.173 1.173 1.173	1.033 1.081 1.095 1.166 1.120 1.120 1.176 1.208 1.176 1.225 1.227 1.222 1.221 1.262 1.227 1.132 1.161 1.121 1.121 1.121	1.114 1.100 1.137 1.117 1.158 1.159 1.169 1.187 1.172 1.182 1.171 1.169 1.211 1.200 1.169 1.211 1.200 1.169 1.211 1.200 1.169 1.211 1.200 1.169 1.200 1.169 1.200 1.169 1.200 1.169 1.200 1.169 1.200 1.169 1.200 1.169 1.200 1.169 1.200 1.169 1.200 1.169 1.200 1.169 1.200 1.169 1.200 1.169 1.200 1.169 1.200 1.169 1.200	1.201 1.215 1.104 1.163 1.115 1.166 1.158 1.165 1.165 1.165 1.165 1.165 1.167 1.169 1.100 1.0077 1.0088 1.0084 1.0041	938 945 925 915 901 901 899 899 899 889 881 872 872 874 874 875 889 889 881 874 874 874 874 874 874 874 874 874 874	.010 .030 .050 .075 .100 .200 .320 .350 .400 .520 .520 .540 .710 .740 .760 .850 .900 .955	.636 .732 .732 .829 .888 .962 .953 .987 1.093 1.158 1.024 1.024 1.024 1.024 1.024 1.024 1.025 1.024 1.025 1.024 1.025 1.026 1.025 1.026 1.	.653 .778 .839 .901 .947 1.043 1.101 1.113 1.155 1.183 1.239 1.120 1.225 1.249 1.278 1.177 1.201 1.185 1.175 1.185 1.175 1.185 1.175 1.185	.689 .8895 .962 .961 1.067 1.038 1.093 1.127 1.195 1.146 1.222 1.201 1.141 1.117 1.107 1.1087 1.076 1.076	.724 .836 .907 .938 .904 1025 1.075 1.078 1.093 1.112 1.123 1.127 1.160 1.186 1.154 1.078 1.078 1.075 1.067 1.067	.788 .974 .932 1.009 1.002 1.068 1.079 1.111 1.119 1.122 1.111 1.126 1.158 1.095 1.065 1.076 1.068 1.033	. 752 . 833 . 847 . 874 . 875 . 888 . 884 . 888 . 895 . 897 . 885 . 853 . 854 . 855 . 855
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.173 1.156 1.151 1.148 1.128 1.156 1.140 1.148	1.196 1.215 1.193 1.188 1.197 1.212 1.223	1.185 1.165 1.168 1.184 1.191 1.228 1.246	1.205 1.187 1.154 1.158 1.106 1.189 1.233	1.151 1.207 1.201 1.202 1.212 1.257 1.283	.879 .883 .881 .888 .895 .911	•560 •580 •600 •620 •640 •660 •680 •690	1 · 211 1 · 191 1 · 183 1 · 180 1 · 157 1 · 183 1 · 162 1 · 170	1.229 1.247 1.228 1.220 1.225 1.242 1.254 1.257	1.225 1.206 1.205 1.219 1.222 1.250 1.266	1.228 1.209 1.182 1.179 1.133 1.206 1.236	1.173 1.217 1.210 1.215 1.224 1.262 1.285	.891 .894 .892 .897 .906 .927
Spoiler	.560 .580 .600 .620 .640 .660 .680		1.255 1.256 1.256 1.257 1.257 1.258 1.255 1.257	1.274 1.274 1.275 1.274 1.269 1.270 1.273	1.262 1.262 1.260 1.257 1.262 1.260	1.275 1.277 1.276 1.273 1.274 1.272	1.001 .998 .998 .993 .995 .997	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690		1.274 1.274 1.273 1.273 1.274 1.276 1.274 1.275	1.284 1.286 1.286 1.286 1.280 1.283 1.283	1.260 1.261 1.260 1.255 1.258 1.259 1.256	1.276 1.275 1.272 1.270 1.274 1.273 1.270	1.003 1.002 1.000 .997 .999 .997
surface: Upper	.560 .580 .600 .620 .640 .660 .688		1.253 1.259 1.259 1.260 1.260 1.261 1.257	1.267 1.270 1.270 1.266 1.274 1.271 1.272	1.258 1.259 1.259 1.261 1.261 1.258 1.260 1.259	1.268 1.278 1.273 1.274 1.271 1.273 1.271 1.274	985 996 995 995 993 994 997	.560 .580 .600 .620 .640 .660 .680		1.276 1.278 1.275 1.277 1.277 1.278 1.274 1.269	1.282 1.283 1.285 1.286 1.285 1.285 1.285 1.286	1.256 1.259 1.256 1.258 1.258 1.256 1.259	1.262 1.272 1.268 1.271 1.269 1.270 1.270 1.269	.991 1.000 .999 .997 .999 .995
Deflector	.560 .580 .600 .620 .640 .660 .680	1.381 1.301 1.286 1.283 1.277 1.306 1.366 1.118	1.242 1.247 1.277 1.278 1.286 1.256 1.258	1.252 1.179 1.200 1.185 1.175 1.210 1.200 1.173	1.216 1.150 1.179 1.166 1.161 1.152 1.145	1.078 1.086 1.161 1.132 1.146 1.130 1.144	.804 .853 .864 .866 .871 .898 .905	.580 .600 .620 .640 .660	1 a 239 1 a 242 1 a 236	1.196 1.203 1.234 1.241 1.251 1.221 1.228 1.242	1.214 1.140 1.168 1.154 1.145 1.182 1.172 1.149	1.145 1.110 1.127 1.125 1.122 1.119 1.117 1.138	1.049 1.056 1.136 1.110 1.122 1.110 1.127 1.082	.798 .852 .869 .868 .873 .907 .912

TABLE  $^3$  .- PRESSURE COEFFICIENTS - Continued  $\left\lceil \delta_{\text{S}} = ^{-0*005}\text{c}; \; \delta_{\text{d}} = ^{-0*00000}\text{c} \right\rceil$ 

 $\alpha = 60$ Pressure coefficient Cp at  $\frac{y}{b/2} = -$ Cp at Pressure coefficient  $\frac{y}{b/2} = -$ 0.15 0.70 0.85 0.97 0.15 0.30 0.70 0.85 0.97 0.30 .000 .521 .381 .831 .600 .000 . 787 .523 1.055 1.858 2.579 2.510 1.894 1.821 1.432 .010 4.167 2.654 1.937 1.798 1.712 1.564 .030 .050 1 . 653 1.832 1.751 1.709 1.611 1.251 .050 1.839 2.472 1.881 1.786 1.639 1.403 1.490 1.441 1.399 1.352 1.564 1.586 1.663 1.150 .075 1.645 2.172 1.774 1.774 .100 1.503 1.620 1.074 .100 1 . 946 1.600 1.202 .150 1.406 1.501 1.516 1.439 1.011 . 150 1.514 1.698 1 . 671 1.715 1.565 1.091 4200 1.366 .200 1.660 1.516 .993 1.420 1.368 1.353 1.443 1.387 1.351 1.378 . 250 .250 1.347 1.335 1.362 1.323 .987 1.518 1.613 1.483 1.081 1.302 1.328 1.332 •986 •983 ·300 1.556 1.496 1.439 1.445 1.085 1.292 1.239 1.359 1.355 .400 1.286 1.278 1.272 .973 . 400 1.340 1.320 1.076 .450 1.277 1.260 1.225 . 450 1.307 1.307 1.323 1.391 .500 1.260 1.244 1.228 1.204 1.188 .949 .500 1.298 1.279 1.291 1.332 1.283 1.052 1.045 •520 •538 1.229 1.237 1.218 1.239 1.182 .943 •520 •538 1.266 1 . 265 1 . 286 1.337 1.274 1.249 1.201 1.284 1.351 1.270 1.329 1.041 1.199 1.269 .710 1.181 1.304 1.310 1.268 1.292 1.065 .710 1.206 1.327 1.326 1.213 1.229 1.135 1.235 1.190 1.181 1.183 1.174 1.094 .740 1.192 1.181 .740 1.182 1.136 1.118 1.005 1.204 1.158 1.076 •760 •780 1.172 1.142 1.122 1.088 .947 • 760 • 780 1.192 1.158 1.152 1.173 1.118 1.094 .966 1.152 1.043 .957 .800 1.176 1.148 1.139 1.138 1.109 1.086 1.158 1.140 1.156 1.071 1.133 .850 1.138 1.118 1.098 .850 1.120 1.014 -950 1.103 1.084 1.058 1.054 1.042 .890 .950 1.114 1.092 1.075 1.082 1.069 ·938 1.000 1.074 .867 1.078 ing ·419 .650 · 412 • 521 . 476 ·539 .557 .030 .623 0692 .711 .750 .030 .432 . 605 .605 .853 •603 •684 •738 .754 •050 •075 •639 •704 •703 •777 •761 •841 .790 .832 •786 •822 •528 •605 · 676 •701 •742 •738 •793 .050 .861 .075 .783 .100 .757 .828 .873 .890 .847 .100 .665 . 797 .799 .854 824 .775 .900 .150 .928 .200 .873 1.004 .957 .982 1.018 . 884 .200 .803 .908 . 903 .913 0954 877 .915 1.018 1.032 1.016 1.036 .850 1.018 .887 . 250 . 956 - 962 . 957 . 988 . 884 1.013 1.009 . 984 1.020 .300 1.063 .893 .300 .891 •350 •400 1.090 1.116 1.063 1.060 1.078 .897 .350 1.032 1.056 1.019 1.007 1.047 .897 1.139 1.089 1.119 902 450 1.180 1.134 1.102 1.097 1.104 .903 450 1.128 1.087 1.067 1.049 1.076 404 •500 •520 1.178 1.173 1.091 1.102 .906 •500 •520 1.133 1.135 1.129 1.105 1.057 910 1.123 1.156 1.057 1.094 1.072 0925 •540 •710 1.186 1.244 1.181 1.143 1.104 .912 •540 •710 1.139 1.202 1.107 1.090 917 1.247 1.176 1.221 1.160 .930 1.147 1.087 .740 1.221 1.083 1.138 .901 .740 1.194 1.125 1.070 1.123 1.085 .915 1.060 1.191 .760 1.217 1.172 1.117 1.071 .887 .760 1.153 1.107 1.060 1.058 1.057 .780 1.234 1.164 1.091 1.070 .874 .780 1 . 144 1.082 1.076 .889 .800 .800 1.197 1.131 1.086 1.064 1.065 .874 1.173 1.114 1.079 1.054 1.068 1.075 1.052 1.074 1.050 .850 1.168 .860 .850 1.066 1.146 10127 .877 .900 1.157 1.115 1.063 1.045 1.039 .850 . 900 1.105 1.066 1.046 1.056 4870 .850 . 950 1.125 1.055 1.060 .875 •560 •580 •600 1.254 1.234 1.231 1.283 1.266 1.259 1.227 .971 1.284 1.229 1.264 1.228 .600 1.290 1.270 1.256 1.068 .620 1.223 1.243 1.212 1.220 .972 .620 1.253 1.281 1.277 1.255 1.248 1.064 1.061 .640 1.262 1.222 .975 .640 1.229 1.201 1.241 1.210 1 . 285 1.270 .660 1.270 1.236 1.219 1.158 1.227 .981 1.244 1.293 1.193 1.064 .680 1.278 1.263 . 680 1.226 1.279 1.282 1.022 .690 1.203 1.273 1.243 1.274 .690 1.230 1.300 1.286 1.251 1.256 1.078 1.298 ·560 1.302 1.316 .560 1.320 1.281 1.286 1.022 1.297 1.297 1.036 1.277 .600 1.020 . 600 1.297 1.034 1.297 .620 1.298 1.301 1.277 1.285 1.021 .620 1.318 1.321 1.301 1.036 1.295 .640 .660 1.276 1.278 1.017 1.314 1.318 1.291 1 . 294 1.034 .660 1.281 1.283 1.298 1.019 1.319 1.317 1.298 1.300 1.037 .680 1.298 1.298 1.276 1.285 1.018 .680 1.300 .690 1.298 1.299 1.276 1.282 1.018 .690 1.315 1.319 1.300 1.307 1.039 1.274 1.276 1.277 1.015 1.019 1.019 1.317 1.320 1.320 1.317 1.292 1.294 1.295 1.294 1.296 1.297 .560 1.295 1.299 1.278 . 560 1.029 .580 1.031 .580 1.296 .600 1.279 .620 1.298 1.301 1.275 1.282 1.018 .620 1.319 1.293 1.299 1.034 •640 .640 .660 .680 1.297 1.300 1.300 1.278 1.281 1.018 1.321 1.317 1.298 1.036 1.281 1.299 1.305 1.275 1.014 1.320 1.293 1.037 1.319 1.319 .680 1.299 1.302 1.283 1.017 1 . 296 1.303 1.035 .688 1.296 1.301 1.278 1.281 1.014 .688 1.315 1.297 1.036 1.302 Deflector : 1.173 1.103 1.136 •560 •580 1.151 1.032 .820 1.020 1.237 1.060 1.139 .819 •600 •620 1.196 1.200 1.121 1.129 .889 .600 1.159 1.160 1.107 1.096 1.114 .895 1.203 1.101 .887 1.212 1.112 1.178 .640 1.203 1.112 1.109 .896 . 640 1.167 1.091 1.085 1.103 4902 .660 1.237 1.188 1.154 1.104 1.098 .934 . 660 1.197 1.158 1.131 1.080 1.092 .944 1.126 .680 1.100 .680 1.266 1.084 1.192 1.143 1.168 .688 1.106 1.207 1.123 1.126 1.074 .905 .688 1.107 1.181 1.107 1.103 1.066 .917

TABLE 3 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.005_{c}; \delta_{d} = -0.00000_{c}\right]$ 

 $\alpha = 10^{\circ}$ 

T	,	]	Pressure	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$		/0	P	ressure c	pefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Upper	.000 .010 .030 .050 .075 .100 .200 .250 .350 .450 .520 .520 .520 .520 .740 .760 .780 .850 .850 .850	1.853 4.133 2.2047 1.8224 1.733 1.612 1.4525 1.492 1.4525 1.4307 1.314 1.3525 1.243 1.233 1.233 1.233 1.223 1.223 1.224 1.223 1.224 1.226 1.236 1.236 1.236 1.237	1.085 2.698 2.773 2.676 2.820 2.646 2.100 1.568 1.321 1.264 1.255 1.274 1.252 1.277 1.354 1.360 1.143 1.143 1.142 1.091	.701 2.0061 2.0059 2.0054 2.0044 2.0029 2.0001 1.982 1.767 1.862 1.767 1.855 1.276 1.255 1.276 1.258 1.225 1.240 1.225 1.275	1.150 1.771 1.757 1.4757 1.4757 1.4746 1.4737 1.4720 1.4697 1.6574 1.6570 1.479 1.499 1.499 1.4316 1.322 1.336 1.321 1.3	*795 1.6640 1.6627 1.6638 1.6638 1.6635 1.6529 1.4529 1.4529 1.4529 1.4400 1.419 1.408 1.400 1.223 1.259 1.259 1.259 1.259 1.264 1.259 1.264 1.259 1.264 1.2	*881 1 236 1 2243 1 4256 1 4254 1 4250 1 4237 1 *226 1 *210 1 *194 1 *182 1 *173 1 *162 1 *173 1 *162 1 *173 1 *109 1 *099 1 *098 1 *09	.000 .010 .030 .050 .075 .100 .150 .200 .250 .300 .450 .500 .520 .538 .710 .720 .740 .760 .780 .800 .850 .950	2.036 4.82 4.3180 2.289 2.043 1.614 1.580 1.511 1.456 1.424 1.409 1.397 1.270 1.270 1.275 1.254 1.254 1.254 1.254 1.254 1.254 1.254 1.254 1.254 1.254 1.275	1.289 2.6570 2.6579 2.649 2.649 2.699 2.309 1.975 1.506 1.415 1.340 1.413 1.413 1.413 1.188 1.166 1.175 1.166 1.175 1.166	.838 2.050 2.039 2.031 2.022 2.011 1.984 1.956 1.935 1.886 1.935 1.750 1.550 1.550 1.453 1.453 1.453 1.453 1.453 1.453	1.361 1.764 1.7749 1.773 1.774 1.774 1.726 1.724 1.658	.892 1.6025 1.6014 1.614 1.623 1.622 1.626 1.618 1.572 1.572 1.574 1.534 1.603 1.391 1.403 1.391 1.372 1.374	988
Lower	.010 .030 .050 .075 .100 .150 .200 .350 .400 .450 .520 .540 .740 .740 .760 .850 .850 .950	*175 *312 *413 *499 *569 *677 *727 *784 *889 *968 1:011 1:070 1:081 1:078 1:078 1:078 1:159 1:185 1:184 1:125 1:144	.352 .431 .508 .593 .653 .752 .829 .882 .947 .992 1.065 1.078 1.109 1.156 1.127 1.123 1.092 1.127	.380 .494 .570 .6558 .702 .796 .835 .893 .944 .943 1.019 1.056 1.053 1.115 1.114 1.085 1.085 1.066 1.065 1.066 1.065 1.065	*431 *540 *643 *682 *749 *816 *874 *945 *978 \$1029 \$1037 \$10042 \$1152 \$1271 \$1074 \$1074 \$1074 \$1075 \$1086 \$1	.509 .682 .719 .790 .854 .918 .954 .992 1.015 1.059 1.074 1.071 1.092 1.181 1.097 1.087 1.097 1.097 1.010	.498 .594 .682 .741 .773 .813 .838 .858 .858 .891 .981 .991 .935 .991 .912 .902 .902 .902 .902 .902	.010 .030 .050 .075 .100 .200 .350 .400 .350 .520 .500 .710 .740 .760 .850 .850	.108 .221 .319 .414 .487 .600 .663 .728 .813 .894 .915 1.030 1.030 1.030 1.137 1.137 1.132 1.161 1.122	. 330 . 373 . 444 . 523 . 582 . 685 . 767 . 889 . 987 . 1013 . 987 . 1045 . 1065 . 1075 . 1076 . 1077 . 1076 . 107	.350 .399 .509 .588 .335 .777 .338 .890 .913 .027 1.022 1.089 1.126 1.085 1.062 1.062	**384 **477 **646 **618 **661 **753 **822 **940 **940 **962 1.002 1.0015 1.024 1.076 1.161 1.164 1.082 1.092 1.092 1.092 1.098 1.196 1.156	. 437 .614 .664 .731 .815 .945 .999 .991 1.020 1.048 1.055 1.077 1.185 1.113 1.096 1.117 1.129 1.129	.4. .5. .6. .7. .8. .8. .8. .8. .9. .9. .9. .9. .9. .9
Upper	•560 •580 •600 •620 •640 •660 •680	1.321 1.307 1.298 1.287 1.273 1.278 1.262	1.314 1.330 1.302 1.291 1.300 1.312 1.322	1.521 1.471 1.450 1.437 1.403	1.450 1.440 1.420 1.404 1.330 1.371 1.358	1.376 1.367 1.355 1.345 1.336 1.328	1.139 1.133 1.129 1.125 1.121 1.113	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690	1.385 1.368 1.355 1.341 1.316 1.324 1.302	1.336 1.373 1.336 1.325 1.326 1.343 1.360	1.622 1.680 1.650 1.634 1.590	1.573 1.565 1.550 1.538 1.458 1.515	1.515 1.501 1.493 1.478 1.466 1.451 1.463	1 · 1 1 · 1 1 · 1 1 · 1 1 · 1
Lower	•560 •580 •600 •620 •640 •660 •680 •690		1.348 1.347 1.346 1.349 1.344 1.349 1.344	1.373 1.373 1.373 1.372 1.363 1.368 1.372	1.366 1.369 1.371 1.363 1.369 1.368 1.365	1.374 1.379 1.379 1.376 1.383 1.385 1.393	1.079 1.082 1.081 1.079 1.082 1.081	.560 .580 .600 .620 .640 .660 .680		1.399 1.399 1.399 1.398 1.398 1.397 1.399	1.457 1.465 1.459 1.468 1.462 1.454 1.465	1.467 1.470 1.473 1.465 1.469 1.467	1.421 1.426 1.425 1.421 1.426 1.431 1.436	101
Upper Upper	•560 •580 •600 •620 •640 •660 •680 •688		1.347 1.351 1.350 1.352 1.354 1.352 1.352	1.372 1.371 1.373 1.366 1.377 1.373 1.374	1.356 1.364 1.369 1.368 1.374 1.368 1.370	1.371 1.375 1.378 1.376 1.380 1.378 1.387 1.386	1.073 1.081 1.079 1.077 1.080 1.078 1.079	• 560 • 580 • 600 • 620 • 640 • 660 • 688		1.393 1.400 1.398 1.397 1.400 1.399 1.396	1.457 1.459 1.465 1.453 1.473 1.465 1.471	1.461 1.465 1.472 1.470 1.477 1.470 1.468 1.471	1.417 1.424 1.428 1.425 1.430 1.427 1.436 1.432	101
Lower	•560 •580 •600 •620 •640 •660 •688	1.188 1.125 1.116 1.121 1.125 1.164 1.233 1.100	1.068 1.083 1.121 1.131 1.142 1.122 1.135 1.148	1.00 1.043 1.075 1.066 1.062 1.102 1.097	1.01 1.048 1.082 1.080 1.079 1.080 1.080	1.034 1.041 1.10 1.093 1.109 1.099 1.138	.800 .874 .898 .900 .909 .951 .947	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 688	1.073 1.084 1.089 1.126 1.194	1.028 1.047 1.087 1.098 1.112 1.093 1.104 1.122	1.072 1.017 1.053 1.047 1.043 1.088 1.084 1.067	1.079 1.041 1.074 1.073 1.077 1.079 1.082 1.105	1.007 1.024 1.116 1.096 1.112 1.104 1.143 1.089	. 8 . 9 . 9 . 9 . 9

TABLE 3.- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.005c; \delta_{d} = -0.00000c\right]$ 

a = 12°

a = 140

0.50 0.70  1.040 1.678 1.979 1.755 1.958 1.731 1.947 1.734 1.937 1.734 1.937 1.725 1.998 1.726 1.908 1.725 1.893 1.725 1.893 1.725 1.893 1.725 1.893 1.725 1.872 1.724 1.856 1.710 1.851 1.714 1.856 1.710 1.851 1.637 1.6637 1.633 1.672 1.637 1.637 1.657 1.633 1.616 1.610 1.448 1.499 1.820 1.424 1.349 3.47 1.356 5.59 1.518 1.499 1.566 5.59 1.578 8.570 1.578 8.570 1.579 8.599 1.599 1.5000 1.5008 8.799	1.608 1.001 1.002 1.001 1.002 1.001 1.002 1.001 1.002 1.001 1.002 1.001 1.002 1.001 1.002 1.001 1.002
1.979 1.755 1.958 1.731 1.947 1.731 1.947 1.734 1.944 1.731 1.937 1.729 1.929 1.730 1.914 1.725 1.908 1.726 1.900 1.725 1.8892 1.728 1.8883 1.722 1.8856 1.714 1.8851 1.722 1.6861 1.613 1.6676 1.631 1.6676 1.631 1.6676 1.631 1.6676 1.631 1.6676 1.631 1.648 1.672 1.6577 1.637 1.6577 1.637 1.6577 1.637 1.6577 1.637 1.6577 1.637 1.657 1.637 1.6	1.608 1. 1.600 1. 1.601 1. 1.600 1. 1.600 1. 1.600 1. 1.600 1. 1.606 1. 1.614 1. 1.628 1. 1.634 1. 1.636 1. 1.634 1. 1.634 1. 1.634 1. 1.635 1. 1.556 1. 1.556 1. 1.555 1. 1.5
1.9447 1.734 1.9547 1.739 1.929 1.720 1.929 1.720 1.929 1.720 1.929 1.720 1.893 1.725 1.893 1.725 1.883 1.725 1.8872 1.724 1.8856 1.710 1.851 1.724 1.8468 1.722 1.680 1.615 1.6676 1.631 1.6672 1.663 1.6676 1.631 1.6672 1.663 1.6676 1.631 1.6572 1.648 1.663 1.648 1.663 1.649 1.657 1.653 1.6516 1.651 1.6517 1.657 1.653 1.6516 1.651 1.6517 1.657 1.653 1.6518 1.659 1.659 1.648 1.518 1.	1.602 1.600
1.937 1.729 1.937 1.730 1.934 1.725 1.9908 1.725 1.890 1.725 1.883 1.725 1.8872 1.722 1.8872 1.722 1.8856 1.710 1.8851 1.724 1.8858 1.672 1.6808 1.615 1.6676 1.633 1.6672 1.637 1.657 1.6	1.600
1.929 1.730 1.914 1.725 1.908 1.726 1.900 1.725 1.892 1.728 1.883 1.725 1.872 1.721 1.856 1.714 1.851 1.714 1.846 1.613 1.666 1.651 1.657 1.633 1.616 1.610 1.448 1.499 1.820 1.424 1.839 1.424 1.639 1.639 1.424 1.639 1.639 1.424 1.639	1.600 1.600
1.908 1.726 1.900 1.725 1.892 1.728 1.883 1.728 1.8872 1.721 1.856 1.714 1.854 1.722 1.680 1.615 1.6676 1.631 1.692 1.648 1.672 1.631 1.616 1.610 1.448 1.620 1.448 1.630 1.499 1.820 1.424 1.8393 1.453 1.616 1.431 1.499 1.424 1.499 1.4	1.6619 1.628 1.636 1.636 1.636 1.628 1.636
1.900 1.725 1.892 1.728 1.893 1.728 1.872 1.721 1.856 1.710 1.855 1.721 1.686 1.610 1.657 1.631 1.666 1.651 1.648 1.499 1.820 1.424 1.688 1.499 1.820 1.424 1.692 1.693 1.893 1.415 1.893 1.415 1.893 1.415 1.893 1.415 1.893 1.415 1.893 1.415 1.893 1.415 1.893 1.415 1.893 1.415 1.893 1.415 1.893 1.415 1.893 1.499 1.893 1.499 1.893 1.499 1.893	1.628 1.1.636 1.1.636 1.1.636 1.1.628 1.1.628 1.1.629 1.1.629 1.1.629 1.1.629 1.1.6363 1.1.63
1.8883 1.722 1.872 1.721 1.856 1.710 1.851 1.714 1.848 1.722 1.6680 1.615 1.676 1.631 1.6692 1.648 1.663 1.657 1.657 1.633 1.616 1.610 1.448 1.499 820 1.424 349 .820 1.424 349 .820 1.424 349 .830 341 .830 342 .830 343 .830 343 .830 343 .830 343 .830 344 .830 347	1.636 1.628
1.872 1.721 1.856 1.710 1.855 1.712 1.858 1.722 1.680 1.615 1.667 1.631 1.6692 1.648 1.6683 1.643 1.6672 1.637 1.657 1.637 1.6	1.654 1.624 1.624 1.624 1.624 1.624 1.624 1.625
1.851 1.714 1.848 1.722 1.680 1.615 1.6676 1.651 1.6672 1.648 1.683 1.648 1.6683 1.643 1.672 1.657 1.657 1.653 1.616 1.610 1.448 1.499 1.820 1.424 1.499 1.820 1.424 1.499 1.820 1.828 1.829 1.8	1.6423 1.6569 1.6569 1.6569 1.6569 1.6569 1.6569 1.6556 1.
1.848 1.722 1.680 1.615 1.692 1.631 1.692 1.648 1.6672 1.657 1.657 1.653 1.616 1.424 1.657 1.633 1.616 1.424	1.6594 1.0 1.5542 1.0 1.5563 1.0 1.5556 1.0 1.5556 1.0 1.5556 1.0 1.5556 1.0 1.5557 1.0 1.556 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
1.676 1.653 1.692 1.648 1.693 1.648 1.672 1.653 1.657 1.653 1.6516 1.442 1.493 1.424 1.493 1.424 1.493 1.424 1.493 1.424 1.494 1.493 1.493 1.494 1.516 1.519 1.539 1.566 1.599 1.593 1.593 1.676 1.693 1.677 1.693 1.677 1.693 1.679 1.693 1.679 1.693 1.679 1.693 1.679 1.693 1.679 1.693	1.5542 1.6 1.5569 1.6 1.5556 1.6 1.5556 1.6 1.5553 1.6 1.6423 1.6 1.6423 1.6 1.6423 1.6 1.6423 1.6 1.6423 1.6 1.6424 1.6 1.6424 1.6 1.6424 1.6 1.6556 1.6
1.6692 1.6498 1.6633 1.663 1.657 1.653 1.656 1.6401 1.448 1.499 820 1.424 349 347 8393 44.5 5.19 5.59 8.566 5.59 8.587 8.887 8.870 8.877 8.957 9.931 8.949 9.975 8.999 1.0000	1.563 1.1.566 1.1.565 1.1.556
1.672 1.637 1.657 1.633 1.616 1.448 1.499 820 1.424 349 347 349 347 556 59 659 659 659 659 684 713 778 807 778 8870 8870 957 931 979 999 1.0000	1.555 1. 1.556 1. 1.556 1. 1.553 1. 1.423 1. 1.185 397 397 397 398 399
1.657 1.653 1.616 1.610 1.448 1.499 .820 1.424 .349 .347 .343 .415 .519 .539 .559 .539 .559 .659 .659 .684 .713 .751 .778 .807 .833 .851 .870 .897 .957 .931 .949 .975	1.556 1.655
1.616 1.610 1.448 1.499 .820 1.424 .349 .367 .393 .415 .516 .519 .556 .599 .659 .684 .713 .751 .778 .807 .833 .851 .870 .897 .949 .975 .949 .975	1.553 1.6 1.423 1.6 1.185 6 397 6 3542 6 590 6 809 8867 8867 8912 6 946 985 1.007 1.0042 6
.820 1.424 .349 .347 .393 .415 .519 .539 .556 .559 .659 .684 .713 .751 .778 .807 .783 .851 .870 .897 .949 .975 .949 .975	397 397 3542 590 663 7736 809 887 9912 9946 9985 10017 10041
.349 .347 .393 .415 .519 .539 .566 .599 .659 .684 .713 .751 .778 .807 .833 .851 .870 .897 .957 .931 .949 .975 .999 10000	.397 .542 .590 .663 .736 .809 .867 .912 .946 .985 .1017 .1042
.393 .415 .519 .539 .566 .599 .659 .684 .713 .751 .778 .807 .833 .851 .870 .897 .949 .975 .949 .975	-542 -590 -663 -736 -809 -867 -912 -946 -985 1-017 1-042
. 446	-542 -590 -663 -736 -809 -867 -912 -946 -985 -1017 -1042 -1041
.566 .599 .659 .684 .713 .751 .778 .807 .833 .851 .870 .897 .957 .931 .949 .975 .999 1.000	.663 .736 .809 .867 .912 .946 .985 1.017 1.042
.659 .684 .713 .751 .778 .807 .833 .851 .870 .897 .957 .931 .949 .975 .999 1.000 1.002 1.008	0736 0809 0867 0912 0946 0985 10017 10042
.778 .807 .833 .851 .870 .897 .957 .931 .949 .975 .999 1.000	9867 9912 9946 9985 10017 10042
.833 .851 .870 .897 .957 .931 .949 .975 .999 1.000	912 946 985 1017 1042 1041
.870 .897 .957 .931 .949 .975 .999 1.000 1.002 1.008	0946 0985 10017 10042 10041
.949 .975 .999 1.000 1.002 1.008	1.017 1.042 1.041
.999 1.000 1.002 1.008	1.042
1.002 1.008	
Tenia Tenes	
1.153 1.193	1.200 1
1.070 1.177	1.140 1
1.128 1.123 1.108 1.132	
1.119 1.145	1.155 1
1.147 1.168 1.194 1.217	
1.225 1.273	
1.843	1.626 1
1.816 1.710	1.622 1
1.624	1.620 1
1.786 1.716	
1.805 1.741	1.655 1
1.609	1.510 14
1.614 1.586	
1.616 1.588	1.517 1
1.607 1.589	
1.615 1.590	1.517 1
1.610 1.582	1.507 14
1.616 1.586	1.516 1
1.615 1.589	1.515 1
1.616 1.591	
	•993
1.012 1.036	1.020
1.047 1.079	1.097
1.048 1.091	1.114
1.078 1.126	
	1.826 1.710 1.826 1.710 1.826 1.710 1.828 1.700 1.788 1.700 1.624 1.786 1.716 1.609 1.613 1.584 1.614 1.586 1.612 1.586 1.612 1.586 1.612 1.586 1.612 1.586 1.612 1.586 1.612 1.586 1.610 1.582 1.610 1.582 1.610 1.582 1.610 1.582 1.610 1.582 1.610 1.582 1.610 1.582 1.610 1.582 1.611 1.586

TABLE  $^3$  .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{\rm S}=^{-0*005}c;\,\delta_{\rm d}=^{-0*00000}c\right]$ 

- 16°

a = 180

			α	= 16 0							x = 18°			
	,		Pressure	coefficient	t Cp at	$\frac{y}{b/2} = -$	-	1-	P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	•000	1.100	1.347	1.136	1.838	1.107	1.174	• 000	1.109	1.395	1.206	2.142	1.189	1.215
	.010	2.201	2.129	1.970	1.748	1.614	1.229	•010	2.072	2.025	1.964	1.740	1.607	1.227
	.030	2.163	2.098	1.933	1.721	1.596	1.229	• 030	2.049	2.002	1.941	1.719	1.595	1.227
	•050	2.163	2.093	1.923	1.724	1.599	1.233	•050	2.051 2.053	1.998 2.002	1.915	1.722	1.591	1.230
1 1	•075 •100	2.161	2.095	1.918	1.719	1.599	1.247	.100	2.056	2.005	1.896	1.716	1.587	1.235
	•150	2.147	2.093	1.905	1.717	1.603	1.254	.150	2.046	2.009	1.895	1.713	1.589	1.241
	.200	2.129	2.084	1.896	1.711	1.607	1.260	• 200	2.034	2.004	1.888	1.708	1.592	1.246
	•250	2.115	2.086	1.892	1.714	1.609	1.263	• 250	2.031	2.008	1.889	1.708	1.592	1.248
	•300 •350	2.081	2.071	1.878	1.715	1.626	1.261	6350	1.990	2.005	1.881	1.708	1.606	1.253
er er	.400	1.937	2.055	1.869	1.714	1.628	1.259	. 400	1.952	2.000	1.874	1.708	1.614	1.257
Upper	•450	1.840	2.025	1.864	1.716	1.631	1.257	• 450	1.911	1.990	1.870	1.715	1.618	1.262
1 2	•500	1.788	1.985	1.855 1.853	1.713	1.629	1.255	•500 •520	1.883	1.968	1.865	1.715	1.625	1.264
	•520 •538	1.749	1.975	1.853	1.728	1.643	1.257	•538	1.877	1.971	1.863	1.726	1.641	1.271
	.710	1.508	1.767	1.730	1.646	1.562	1.234	.710	1.664	1.848	1.764	1.673	1.589	1.259
	•720	1.513	1.754	1.739	1.662	1.576	1.233	•720	1.656	1.842	1.771	1.689	1.603	1.262
	•740 •760	1.478	1.749	1.756	1.678	1.599	1.247	.760	1.658	1.822	1.784	1.698	1 636	1.283
	ø780	1.485	1.712	1.742	1.671	1.611	1.260	.780	1.617	1.805	1.778	1.693	1.642	1.291
e e	.800	1.448	1.707	1.734	1.673	1.599	1.254	e800	1.577	1.799	1.770	1.703	1.635	1.289
fac	.850	1.408	1.625	1.696	1.650	1.605	1.262	.850	1.367	1.723	1.739	1.686	1.534	1.297
Surface	•950	1.293	1.449	1.559 .961	1.562	1.482	1.186 .751	1.000	1.316	1.530	1.035	1.549	1.348	.813
	1.000	1.239	10377	9701	107	10101		2000						
/ing	.010	.068	•339	• 355	.365	.406	•449	.010	.041	. 344	.366	.363	•403	.448
B	.030	• 156	• 325	•375	•395 •498	.526	•536 •616	• 030 • 050	•128 •216	.306 .350	· 364 · 403	• 378 • 472	.499	.519 .596
	•050 •075	• 243 • 332	•377 •437	.424 .487	•510	.575	•684	•075	.301	. 403	. 461	.481	0543	.663
	.100	.397	.489	•535	•570	.637	.726	•100	.362	· 453	.509	.535	.612	.709
	.150	.507	.581	.632	.649	.722	•787	0150	.476	• 542	.601	•617	• 690	٠771
	•200	• 572	• 663	e685	•718	.797 .853	.832 .851	• 200 • 250	•541 •609	.622 .680	• 658 • 724	•691 •756	.772 .828	.818 .844
	•250 •300	.637 .718	.717 .789	•752 •810	.785 .826	.900	.873	•300	.689	.747	. 785	.802	.877	.866
	•350	. 804	. 846	.848	.874	.945	.890	•350	.782	.812	.828	. 855	•927	.885
Lower	.400	.865	.926	.938	0913	. 982	.908	• 400	.837	. 901	. 917	.891	•965	•910
9	• 450	• 937 • 954	•917 •976	• 934 • 992	.961 .989	1.014	•923	• 450 • 500	.909	. 887 . 956	•917 •977	• 942 • 978	1.006	.931 .953
	•500 •520	.967	1.009	992	1.001	1.047	962	•520	944	. 993	. 984	.993	1.038	.962
	•540	.978	1.065	1.062	1.059	1.063	.953	•540	.953	1.045	1.051	1.052	1.060	•962
	•710	1.118	1.169	1.166	1.202	1.221	1.022	•710	1.113	1.169	1.088	1.211	1.226	1.039
	•740	1.122	1.087	1.085	1.189	1.155	1.011	• 740	1.122	1.094	1.088	1.145	1.157	1.028
	.780	1.157	1.129	1.126	1.142	1.168	1.003	.780	1.158	1.143	1.135	1.159	1.187	1.025
	.800	1.126	1.109	1.142	1.157	1.177	1.014	.800	1.131	1.123	1.152	1.174	1.196	1.040
	.850	1.127	1.160	1.180	1.189	1.202	1.014	• 850 • 900	1.141	1.228	1.258	1.210	1.225	1.040
	•900 •950	1.149	1.185	1.236	1.305	1.246	1.053	• 950	1.206	1.275	1.324	1.343	1.336	1.092
		2020.												
	•560	1.724	1.929	1.853	1.723	1.640	1.261	• 560 • 580	1.856	1.953	1.861	1.730	1.646	1.276
H	•580 •600	1.675	1.907	1.838	1.726	1.642	1.260	•600	1.823	10941	1.857	1.732	1.649	1.278
pper	•620	1.656	1.887	1.833	1.719	1.642	1.262	.620	1.810	1.934	1.857	1.727	1.652	1.28?
de.	•640	1.618	1.872	1.828	1.720	1.645	1.264	• 640	1.782	1.924	1.853	1.730	1.660	1.284
fac	•660 •680	1.619	1.854	1.848	1.691	1.649	1.264	•660 •680	1.776	1.917	1.876	1.757	1.683	1.295
surface: Up	•690	1.576	1.830	1.879	1.770	1.702	1.277	•690	1.741	1.919	1.907	1.780	1.725	1.307
F1								E 4 A		1.789	1.714			
Spoiler	•560 •580		1.704	1.675	1.618	1.540	1.227	•560 •580		1.792	1.718	1.642	1.567	1.253
od .	e 6 0 0		1.717	1.679	1.620	1.543	1.227	.600		1.797	1.721	1.650	1.570	1.255
Ne. S	•620		1.720	1.683	1.619	1.543	1.231	•620		1.801	1.724	1.650	1.571	1.257
SI	•640		1.715	1.677	1.613	1.539	1.224	.640 .660		1.793	1.717	1.642	1.564	1.250
1	•660 •680		1.713	1.672	1.623	1.545	1.229	.680		1.793	1.721	1.651	1.573	1.254
	•690		1.709	1.681	1.620	1.550	1.230	• 690		1.795	1.721	1.654	1.578	1.258
							1 000	540		1.781	1.719	1.444	1.561	1.249
	•560 •580		1.697	1.676	1.615	1.535	1.223	•560 •580		1.793	1.713	1.646	1.565	1.253
H	•600		1.720	1.683	1.616	1.543	1.230	.600		1,801	1.721	1.648	1.568	1.254
bp6	e620		1.724	1.676	1.619	1.542	1.225	620		1.801	1.710	1.648	1.568	1.253
surface:	0040		1.722	1.687	1.619	1.546	1.230	•640		1.803	1.724	1.651	1.567	1.254
rfa	•660 •680		1.716	1.687	1.624	1.550	1.226	.680		1.798	1.728	1.654	1.572	1.254
su	•688		1.711	1.681	1.620	1.542	1.222	o 688		1.796	1.718	1.653	1.573	1.252
or	510	1 077	.074	1.049	1.040	1.000	.862	•560	1.055	, 959	1.037	1.060	1.004	.886
ector	•560 •580	1.077	1.005	1.007	1.069	1.030	. 944	• 580	1.009	. 991	.999	1.033	1.030	. 954
Defle	•600	1.026	1.050	1.049	1.070	1.127	• 964		1.007	1.035	1.041	1.071	1.125	.978
DO	•620	1.039	1.066	1.047	1.077	1.106	•967 •979	•620 •640	1.025	1.058	1.041	1.082	1.108	.995
l c	•640	1.048	1.086	1.049	1.088	1.118	1.025		1.082	1,071	1.096	1.102	1.124	1.040
	•680	1.169	1.092	1,106	1.108	1.168	1.027	· 680	1.162	1.090	1.108	1.111	1.179	1.047
	.688	1.108	1.111	1.088	1.129	1.114	.998	• 688	1.128	1.109	1.088	1.132	1.118	1.009
	(													

TABLE 3.- PRESSURE COEFFICIENTS - Continued

\[\delta\_{\text{S}} = -0.0005c; \delta\_{\text{d}} = -0.00000c]\]

- 20°

a = 22°

				c = 20°							$\alpha = 22^{\circ}$		17	
	v/0		Pressure	coefficien	t C <sub>p</sub> at	$\frac{y}{b/2} = -$	-	7/0	P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Surface: Upper	.000 .010 .030 .050 .075 .100 .150 .200 .250 .300 .450 .450 .520 .538 .710 .720 .740 .780 .850 .950	1.128 1.945 1.945 1.942 1.950 1.960 1.966 1.955 1.948 1.935 1.923 1.905 1.889 1.889 1.876 1.768 1.775 1.772 1.689 1.768	1.454 1.956 1.994 1.993 1.996 1.995 1.996 1.965 1.966 1.967 1.965 1.965 1.955 1.885 1.883 1.873 1.873 1.873 1.873 1.873 1.873 1.873 1.865 1.665	1.264 1.965 1.995 1.993 1.882 1.874 1.871 1.887 1.887 1.8863 1.8863 1.885 1.885 1.885 1.777 1.789 1.779 1.774 1.774 1.774 1.774 1.774 1.774	2.244 1.724 1.728 1.728 1.726 1.717 1.717 1.710 1.710 1.714 1.717 1.718 1.722 1.730 1.683 1.706 1.710 1.706 1.710 1.693 1.696 1.693 1.696 1.693 1.696 1.693 1.696 1.693 1.696 1.693 1.696 1.693 1.696 1.693 1.696 1.693 1.696 1.693 1.693 1.696 1.693	1.258 1.590 1.582 1.581 1.577 1.577 1.581 1.583 1.586 1.593 1.601 1.607 1.619 1.632 1.641 1.632 1.644 1.634 1.634 1.634 1.634 1.634 1.638	1.229 1.222 1.224 1.225 1.225 1.225 1.225 1.226 1.236 1.236 1.255 1.255 1.257 1.263 1.271 1.263 1.278 1.278 1.263 1.278 1.278 1.289 1.299	.000 .010 .030 .050 .075 .100 .200 .350 .350 .400 .550 .520 .538 .710 .720 .740 .780 .800 .850 .850	1.122 1.8356 1.8350 1.8350 1.8356 1.8356 1.835 1.885 1.885 1.884 1.886 1.881 1.884 1.889 1.803 1.796 1.778 1.778 1.778 1.778 1.778 1.778 1.778 1.778 1.778 1.778 1.778	1.378 1.794 1.768 1.767 1.769 1.776 1.786 1.786 1.805 1.805 1.805 1.824 1.834 1.834 1.834 1.834 1.834 1.833 1.823 1.823 1.823 1.823 1.823 1.833 1.833 1.833 1.833 1.833	1.269 1.904 1.892 1.834 1.815 1.809 1.810 1.806 1.806 1.808 1.807 1.807 1.807 1.806 1.806 1.806 1.806 1.806 1.806 1.806 1.807 1.807 1.807 1.806 1.806 1.806 1.806 1.806 1.806 1.807 1.807 1.807 1.806 1.806 1.806 1.806 1.806 1.806 1.807 1.807 1.807 1.806 1.806 1.806 1.806 1.806 1.806 1.806 1.806 1.806 1.807 1.807 1.807 1.806	1.974 1.696 1.678 1.676 1.677 1.677 1.6675 1.6671 1.6681 1.6681 1.6881 1.6881 1.6891 1.6881 1.6881 1.6881 1.6881 1.6881 1.6882 1.6881 1	1.390 1.624 1.607 1.604 1.605 1.610 1.612 1.621 1.634 1.632 1.651 1.658	1 · 25 · 4 1 · 23 · 9 1 · 23 · 9 1 · 24 · 1 1 · 24 · 6 1 · 25 · 9 1 · 26 · 5 1 · 27 · 1 1 · 28
Lower Wing	010 030 050 050 075 100 150 220 330 450 550 710 740 760 880 850 950	030 098 182 264 436 436 6566 646 6738 791 886 899 902 1095 1:103 1:114 1:148 1:125 1:142 1:196	*359 *295 *326 *373 *418 *508 *585 *644 *714 *775 *860 *863 *968 *1025 *1171 *1093 *1.139 *1.139 *1.134 *1.206 *1.228	.375 .352 .383 .438 .481 .570 .626 .694 .755 .798 .888 .895 .955 1.032 1.163 1.150 1.136 1.153 1.202	*381 *369 *455 *569 *587 *665 *733 *777 *874 *971 *980 *984 1*039 1*211 1*222 1*222 1*222 1*266	*406 *474 *517 *584 *663 *747 *858 *905 *947 *10024 *10024 *1163 *1156 *1182 *1224 *1224 *1234	*51 509 582 648 693 756 808 838 888 903 928 963 103 103 104 104 107 107 107 107 107 107 107 107	*010 *030 *050 *075 *100 *250 *350 *450 *550 *550 *570 *740 *771 *780 *850 *850 *850 *850	*019 *082 *161 *242 *304 *409 *770 *536 *622 *712 *764 *842 *878 *902 1086 1097 1:111 1:148 1:127 1:156 1:220	354 286 311 353 397 481 557 613 685 748 829 841 910 951 10011 11173 10097 1151 1162 1148 1234 1234	.384 .345 .347 .415 .458 .542 .559 .667 .728 .773 .865 .875 .942 1.022 1.033 1.040 1.160 1.160 1.120	.389 .363 .437 .440 .493 .573 .641 .707 .758 .815 .857 .916 .952 .968 1.027 1.201 1.146 1.179 1.218 1.218	.430 .457 .501 .566 .641 .730 .793 .844 .899 .943 .993 1.025 1.025 1.025 1.249 1.184 1.224 1.223 1.262 1.223 1.262	.459 .507 .575 .645 .686 .758 .862 .898 .862 .994 .959 .905 1.051 1.042 1.051 1.043 1.055 1.063 1.085 1.085
surface: Upper	.560 .580 .600 .620 .640 .660 .680	1.888 1.879 1.870 1.862 1.845 1.842 1.821	1.949 1.951 1.946 1.946 1.940 1.933 1.939	1.852 1.849 1.847 1.846 1.843	1.732 1.735 1.732 1.732 1.760 1.752 1.777	1.639 1.642 1.646 1.649 1.661 1.673	1.274 1.279 1.282 1.283 1.289 1.293 1.309	•560 •580 •600 •620 •640 •660 •680 •690	1.877 1.875 1.870 1.867 1.851 1.850 1.834 1.830	1.853 1.855 1.857 1.857 1.857 1.860 1.864	1.810 1.808 1.809 1.807 1.809	1.703 1.702 1.702 1.702 1.729 1.723 1.750	1.669 1.676 1.678 1.685 1.695 1.700 1.735	1.297 1.302 1.303 1.307 1.310 1.315
Spoiler	.560 .580 .600 .620 .640 .660 .680		1.831 1.835 1.837 1.841 1.834 1.838 1.838	1.721 1.724 1.727 1.730 1.724 1.725 1.731	1.662 1.663 1.667 1.659 1.669 1.668	1.567 1.574 1.574 1.569 1.577 1.577	1.260 1.262 1.261 1.256 1.260 1.261 1.267	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690		1.788 1.789 1.790 1.791 1.787 1.790 1.792	1.705 1.704 1.708 1.707 1.704 1.706 1.709 1.715	1.641 1.641 1.641 1.634 1.643 1.643	1.625 1.627 1.626 1.620 1.628 1.628	1.279 1.282 1.281 1.273 1.280 1.283
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •688		1.830 1.834 1.838 1.838 1.840 1.837 1.839	1.724 1.727 1.731 1.726 1.735 1.731 1.734 1.730	1.662 1.663 1.662 1.662 1.665 1.664 1.668	1.570 1.570 1.575 1.574 1.579 1.577 1.579	1.260 1.261 1.261 1.259 1.258 1.260 1.260 1.258	•560 •580 •600 •620 •640 •660 •680 •688		1.794 1.792 1.794 1.795 1.795 1.795 1.797	1.705 1.706 1.708 1.708 1.712 1.712 1.713	1.641 1.638 1.641 1.638 1.641 1.646 1.648	1.623 1.624 1.628 1.627 1.631 1.628 1.629	1.275 1.279 1.281 1.279 1.281 1.276 1.281 1.278
Deflector Lower	•560 •580 •600 •620 •640 •660 •680 •688	1.020 .981 .979 .999 1.010 1.056 1.136 1.155	.938 .972 1.021 1.046 1.070 1.062 1.082 1.104	1.017 .984 1.023 1.028 1.035 1.088 1.093 1.080	1.052 1.023 1.065 1.074 1.084 1.094 1.108	.986 1.018 1.113 1.101 1.116 1.121 1.170 1.112	.891 .956 .978 .982 .993 1.042 1.048	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 688	1.000 .963 .966 .984 .994 1.047 1.129 1.186	* 922 * 958 1.011 1.033 1.066 1.055 1.080 1.102	1.011 .976 1.017 1.023 1.028 1.083 1.096 1.078	1.040 1.011 1.053 1.061 1.072 1.089 1.099 1.125	.997 1.033 1.126 1.115 1.135 1.138 1.191 1.139	.896 .968 .989 .990 1.007 1.052 1.057

TABLE 3 .- PRESSURE COEFFICIENTS - Concluded

 $\delta_{S} = -0.005 \, c; \, \delta_{d} = -0.0000 \, c$ 

				= 23 0							α = "		V	
	, .	I	Pressure	coefficient	Cp at	$\frac{y}{b/2} = -$		/-	P	ressure o	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Upper	.000 .010 .030 .050 .075 .100 .250 .250 .350 .350 .500 .520 .538 .710 .720 .740 .740 .780 .850 .850 .950	1.079 1.749 1.731 1.731 1.730 1.747 1.750 1.760 1.767 1.779 1.789 1.799 1.806 1.803 1.803 1.803 1.803 1.803 1.803 1.803 1.803	1.364 1.716 1.700 1.701 1.711 1.711 1.711 1.712 1.735 1.743 1.756 1.7789 1.789 1.789 1.798 1.798 1.798 1.802	1.279 1.831 1.814 1.776 1.4765 1.4762 1.7764 1.4752 1.4765 1.4765 1.4765 1.4776 1.4776 1.4776 1.4776 1.4775 1.4776 1.4775 1.4776 1.4775 1.4776 1.4773 1.4750 1.4753 1.4752 1.4741 1.4753 1.4752 1.4743 1.4752 1.4743 1.4753 1.6752 1.2744	1.6796 1.6555 1.6645 1.6645 1.6644 1.6642 1.6641 1.6657 1.6669 1.6669 1.6667 1.6667 1.6674 1.674 1.674 1.674	1.423 1.605 1.600 1.600 1.600 1.6005 1.605 1.601 1.6014 1.602 1.603 1.603 1.603 1.603 1.603 1.603 1.603 1.605 1.604 1.605 1.60	1.256 1.239 1.241 1.243 1.247 1.248 1.253 1.254 1.252 1.264 1.275 1.286 1.286 1.286 1.289 1.289 1.289 1.285	.000 .010 .030 .050 .075 .100 .250 .300 .350 .400 .520 .538 .710 .720 .740 .780 .800 .850 .950 .950						
Lower	1.000 .010 .030 .050 .075 .100 .250 .350 .400 .550 .450 .550 .710 .740 .760 .780 .850 .850 .950	1.643  .015 .073 .155 .232 .293 .392 .456 .521 .605 .692 .743 .827 .886 .889 1.085 1.099 1.113 1.155 1.138	1.707  .258 .280 .203 .341 .382 .445 .599 .666 .728 .806 .827 .895 .1167 1.094 1.148 1.162 1.149 1.243 1.308 1.398	**************************************	.406 .364 .433 .430 .479 .552 .622 .693 .749 .847 .936 .954 .1012 1.203 1.107 1.144 1.155 1.174 1.218 1.290 1.374	.432 .484 .545 .621 .703 .766 .824 .879 .927 .006 1.016 1.037 1.236 1.189 1.204 1.215 1.254 1.313	. 463 . 499 . 564 . 630 . 681 . 740 . 826 . 854 . 978 . 998 . 928 . 957 . 963 . 964 1.052 1.045 1.052 1.045	*010 *030 *050 *075 *100 *150 *220 *250 *350 *400 *550 *540 *710 *740 *780 *850 *850 *950						
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.824 1.824 1.824 1.824 1.817 1.823 1.813 1.817	1.798 1.799 1.805 1.807 1.808 1.820 1.830	1.785 1.779 1.783 1.780 1.780 1.809 1.848	1.682 1.686 1.683 1.688 1.712 1.707	1.662 1.667 1.671 1.674 1.684 1.691	1.298 1.300 1.304 1.306 1.311 1.313 1.326	•560 •580 •600 •620 •640 •660 •680 •690						
Spoiler	•560 •580 •600 •620 •640 •660 •680		1.753 1.754 1.753 1.754 1.751 1.755 1.757	1.693 1.694 1.696 1.697 1.693 1.701 1.700	1.631 1.634 1.631 1.625 1.636 1.635	1.618 1.622 1.625 1.615 1.625 1.622	1.279 1.280 1.280 1.273 1.278 1.280 1.281	.560 .580 .600 .620 .640 .660 .680						
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •688		1.763 1.755 1.759 1.757 1.757 1.759 1.759	1.697 1.697 1.697 1.698 1.700 1.703 1.707	1.628 1.626 1.629 1.629 1.629 1.636 1.636	1.616 1.617 1.622 1.619 1.621 1.621 1.625 1.623	1.275 1.276 1.278 1.276 1.281 1.279 1.280 1.276	.560 .580 .600 .620 .640 .660 .680						
Deflector	.560 .580 .600 .620 .640 .660 .680	.954 .958 .979 .991 1.040 1.126	.909 .948 1.002 1.027 1.057 1.048 1.074	.997 .966 1.008 1.015 1.022 1.081 1.092 1.078	1.029 1.001 1.042 1.054 1.067 1.079 1.093	.981 1.016 1.112 1.100 1.123 1.125 1.185	.896 .960 .984 .987 .998 1.050 1.055	• 560 • 580 • 600 • 620 • 640 • 660 • 680						

TABLE 4 .- PRESSURE COEFFICIENTS

 $\left[\delta_{S} = -0.010 \, c; \, \delta_{d} = -0.00000 \, c\right]$ 

~ = ~ A O

a = -2°

				coefficien	t Cn a	t <u>y</u> = -			T	ressure c	oefficient	C <sub>n</sub> at	$\frac{y}{b/2} = -$	
	x/c			_		b/2		x/c						0.97
		0.15	0.30	0.50	0.70	0.85	0.97		0.15	0.30	0.50	0.70	0.85	0.91
	•000	1.247	2.212	3.661	2.444	2.081	•734	.000	.359	.919	1.507	.797	1.080	.237
	.010	.691	.611	.544	0472	• 421	.478	.010	.953 1.018	.932 1.016	• 854 • 959	•774 •921	•680 •894	o647
	.030	. 833 . 894	.803 .859	•738 •818	.689 .768	•682	• 666	• 030 • 050	1.042	1.026	.998	6952	.946	.822
	.075	•900	.905	.872	.836	.846	.777	•075	1.028	1.042	1.024	1.021	1.019	.839 .855
	•100 •150	•931	•939 •965	•909 •961	.877 .942	• 886 • 959	.809 .841	•100 •150	1.073	1.071	1.069	1.055	1.077	•875
	.200	.991	•995	.987	.972	•987	.851	• 200 • 250	1.079	1.081	1.080	1.066	1.073	.875 .879
	•250 •300	1.028	1.012	1.030	1.021	1.016	•864 •872	.300	1.107	1.094	1.100	1.090	1.105	.882
H	.350	1.041	1.044	1.041	1.043	1.083	.880	• 350 • 400	1.105	1.100	1.107	1.101	1.135	.890 .884
Upper	•400 •450	1.053	1.045	1.049	1.042	1.064	•874 •878	• 450	1.103	1.088	1.090	1.107	1.119	.881
P	.500	1.062	1.030	1.040	.963	1.034	.863	•500 •520	1.113	1.069	1.084	1.037	1.070	.867 .857
	•520 •538	1.037	1.021	0996	1.057	1.030	.851 .858	•538	1.111	1.078	1.011	1.109	1.091	.864
183	.710	1.072	1.276	1.289	1.286	1.270	1.006	•710 •720	1.105	1.309	1.320	1.326	1.320	1.014
	•720	1.084	1.262	1.305	1.269	1.249	.998	.740	1.123	1.307	1.332	1.306	1.299	0949
	.760	1.084	1.203	1.193	1.153	1.158	.888	•760 •780	1.114	1.238	1.228	1.060	1.184	.826 .795
e e	•780 •800	1.098	1.087	1.085	1.050	1.064	.817 .800	.800	1.103	1.042	1.039	1.017	1.019	.806
rfac	.850	1.069	1.013	1.017	1.007	.994	.819	. 850	1.092	1.025	1.023	1.012	1.007	.820 .777
Surface:	1.000	1.063	1.001 .981	•988	.913 .838	• 866 • 463	•704 •487	1.000	1.087	1.045	.687	•983	.618	.577
Wing											1.444	1.567	1.667	1.259
Wi	.010	1.487	1.688	1.668	2.131	2.090	1.473	•010	1.155	1.282	1.352	1.381		1.106
	.050	1.234	1.392	1.549	1.578	1.607	1.112	• 050	1.081	1.197	1.304	1.343	1.419	1.0042
1 39	•075	1.192	1.348	1.528	1.490	1.424	1.059	• 075	1.083	1.197	1.269	1.308	1.291	.979
	.150	1.246	1.356	1.432	1.391	1.308	.982	•150	1.152	1.247	1.307	1.263	1.216	o947
	•200 •250	1.195	1.367	1.356	1.362	1.294	• 957 • 964	• 200 • 250	1.116	1.264	1.270	1.271	1.220	.933
	.300	1.284	1.367	1.370	1.319	1.250	•956	• 300	1.225	1.291	1.294	1.240	1.210	•926 •921
rer	• 400	1.303	1.375	1.340	1.303	1.243	•952 •950	• 350 • 400	1.279	1.306	1.320	1.222	1.204	.924
Lower	.450	1.377	1.332	1.312	1.218	1.192	.909	o 45 0	1.339	1.292	1.262	1.224	1.170	•914 •913
	•500 •520	1.356	1.354	1.319	1.242	1.183	.929 .946	•500 •520	1.323	1.311	1.277	1.208	1.179	.921
	•540	1.357	1.409	1.350	1.271	1.190	.925	.540	1.323	1.370	1.310	1.241	1.179	.903 .931
	•710 •740	1.347	1.342	1.275	1.222	1.174	•994	•710	1.327	1.322	1.258	1.212	1.180	.889
	.760	1.306	1.253	1.201	1.134	1.095	.944	a760	1.295	1.234	1.184	1.115	1.093	.874 .871
	•780 •800	1.306	1.243	1.178	1.126	1.097	· 937	.800	1.298	1.222	1.146	1.099	1.090	.867
	.850	1.233	1.192	1.133	1.085	1.061	.939	.850	1.228	1.178	1.121	1.080	1.069	.864 .861
	•900 •950	1.203	1.150	1.038	1.062	1.041	•940 •834	• 900 • 950	1.198	1.094	1.058	1.024	1.004	.848
										1.087	1.132			
	•560 •580	1.085	1.065	1.093	1.111	1.071	.874	•560 •580	1.131	1.141	1.117	1.143	1.104	.870
Upper	.600	1.071	1.106	1.101	1.120	1.138	.886 .893	•600 •620	1.111	1.138	1.133	1.148	1.169	.884 .890
e: Up	•620 •640	1.075	1.129	1.126	1.125	1.167	.896	.640	1.099	1.176	1.185	1.148	1.200	.900
fac	•660	1.096	1.163	1.220	1.130	1.194	•927	• 660 • 680	1.135	1.209	1.264	1.158	1.229	.936
surface	•680 •690	1.086	1.202	1.230	1.182	1.230	.964	• 690	1.129	1.262	1.313	1.276	1.323	• 969
			1.279	1.287				•560		1.306	1.315			
Spoiler	•560 •580		1.279	1.289	1.286	1.270	1.003	• 580		1.307	1.318	1.317	1.312	1.032
Sp	•600 •620		1.288	1.291	1.289	1.278	1.012	•600		1.310	1.316	1.315	1.313	1.031
Sprower	•620 •640		1.290	1.287	1.287	1.273	1.008	.640		1.313	1.314	1.310	1.307	1.023
	•660		1.290	1.282	1.285	1.275	1.005	•660		1.314	1.314	1.313	1.313	1.029
	•680 •690		1.285	1.284	1.270	1.251	•987	.690		1.309	1.317	1.309	1.310	1.032
	a560		1.263	1.282	1.267	1.254	•992	.560		1.301	1.314	1.305	1.305	1.022
L			1.282	1.290	1.278	1.268	1.004	•580		1.310	1.314	1.314	1.312	1.031
pe	•600 •620		1.289	1.294	1.288	1.279	1.008	•600 •620		1.310	1.317	1.313	1.309	1.028
Ce	•640		1.293	1.294	1.294	1.280	1.010	• 640		1.317	1.317	1.314	1.310	1.029
urfa	•660 •680		1.290	1.290	1.287	1.267	1.004	•660		1.316	1.315	1.313	1.309	1.027
r surface: Upper	•688		1.278	1.287	1.286	1.268	•999	. 688		1.306	1.317	1.316	1.312	1.024
Deflector	•560	1.436	1.325	1.327	1.279	1.129	.826	.560	1.416	1.276	1.291	1.242	1.104	.816
flec	•580	1.374	1.320	1.264	1.218	1.126	.909	• 580	1.416	1.276 1.278 1.306	1.219	1.177	1.110	.871 .882
Del	•600 •620	1.358	1.342	1.279	1.231	1.158	.923 .922	.620	1.323	1.303	1.226	1.191	1.154	e885
Lo	•640	1.342	1.337	1.245	1.207	1.163	.928 .968	. 640 . 660	1.307	1.307	1.212	1.183	1.162	.886 .919
	•660 •680	1.356	1.307	1.258	1.181	1.142	.963	.680	1.385	1.278	1.232	1.164	1.154	6925
		1.145	1.309	1.231	1.182	1.110	.941	• 688	1.134	1.289	1.208	1.182	1.119	•902
		Harris and the same of the sam					-		-	1				

TABLE 4 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = 0.010 \text{ c}; \delta_{d} = 0.00000 \text{ c}\right]$ 

a = 0 0

a = 2 0

				coefficier	nt Cn a	t <u>y</u> = -			T +	ressure c	$\alpha = 2$	C <sub>n</sub> at	_ <u>y</u> _ =	
	x/c			1		b/2		x/c		_		_	b/2	0.07
		0.15	0.30	0.50	0.70	0.85	0.97		0.15	0.30	0.50	0.70	0.85	0.97
	.000 .010 .030 .050	•314 1•372 1•237 1•239 1•164	.487 1.464 1.296 1.231 1.200	•139 1•320 1•224 1•195 1•171	.384 1.228 1.183 1.138 1.143	.561 1.136 1.125 1.142 1.150	•296 •953 •950 •931 •904	.000 .010 .030 .050	.347 1.761 1.456 1.406 1.303	.271 2.100 1.614 1.458 1.383	.261 1.941 1.558 1.437 1.367	0594 10932 10535 10394 10352	.349 1.728 1.390 1.344 1.311	.374 1.222 1.063 1.000
	.100 .150 .200 .250 .300	1.167 1.178 1.163 1.180 1.164 1.167	1.182 1.172 1.159 1.169 1.164	1.182 1.169 1.160 1.155 1.171 1.162	1.155 1.164 1.157 1.151 1.154	1.144 1.179 1.153 1.148 1.156	.908 .907 .899 .894 .894	• 100 • 150 • 200 • 250 • 300 • 350	1.287 1.272 1.250 1.257 1.228 1.224	1.268 1.244 1.241 1.231	1.241 1.241 1.246 1.227	1.295 1.262 1.243 1.232 1.224	1.277 1.274 1.227 1.215 1.209 1.223	.943 .932 .917 .907 .912
Upper	.400 .450 .500 .520	1.171 1.156 1.164 1.133 1.160	1.156 1.158 1.123 1.106 1.187	1.155 1.131 1.118 1.142 1.046	1.153 1.144 1.143 1.070 1.123 1.138	1.147 1.151 1.096 1.090	.889 .898 .862 .854	. 400 . 450 . 500 . 520	1.224 1.206 1.207 1.174 1.204	1.213 1.200 1.168 1.150 1.214	1.211 1.179 1.160 1.177	1.203 1.192 1.117 1.159 1.170	1.181 1.176 1.126 1.115 1.128	.901 .907 .864 .857
 0	•710 •720 •740 •760 •780 •800	1.147 1.154 1.159 1.147 1.157 1.131	1.332 1.331 1.331 1.271 1.169 1.097	1.329 1.329 1.341 1.256 1.155 1.078	1.333 1.332 1.320 1.208 1.099	1.332 1.328 1.318 1.210 1.098 1.036	1.014 1.024 .925 .820 .799 .803	.710 .720 .740 .760 .780	1.168 1.177 1.179 1.165 1.170 1.148	1.340 1.340 1.345 1.286 1.189 1.125	1.328 1.328 1.339 1.266 1.177	1.335 1.336 1.332 1.230 1.134 1.087	1.333 1.339 1.221 1.125 1.066	1.010 1.019 .961 .866 .825
Wing Surface	.850 .950 1.000	1.116 1.097 1.116	1.058 1.064 1.074	1.038 1.038 .803	1.025 1.024 1.002	1.009 1.005 .726	.811 .799 .664	.850 .950 1.000	1.125 1.100 1.109	1.080 1.066 1.070	1.061 1.039 .875	1.051 1.031 1.008	1.029 1.018 .782	.831 .810 .692
M	.030 .050 .075 .100 .150 .200 .250	.896 .928 .949 .970 1.063 1.042	.987 1.014 1.047 1.074 1.151 1.192 1.196	1.068 1.086 1.164 1.116 1.183 1.147 1.182	1.106 1.135 1.115 1.154 1.147 1.165 1.185	1.213 1.096 1.160 1.112 1.163 1.158	• 947 • 927 • 927 • 917 • 906 • 915 • 906	.030 .050 .075 .100 .150 .200	.729 .782 .827 .868 .964 .956	.764 .829 .889 .938 1.039 1.095	.819 .882 .956 .972 1.059 1.038	.837 .913 .947 .991 1.032 1.065 1.083	1.026 .970 1.047 1.028 1.090 1.102	.834 .840 .861 .869 .871 .881
Lower	.300 .350 .400 .450 .500 .520	1.168 1.223 1.256 1.297 1.286 1.270 1.284	1.229 1.256 1.302 1.244 1.275 1.297 1.342	1.214 1.198 1.258 1.207 1.224 1.214 1.264	1.171 1.176 1.170 1.180 1.169 1.168 1.209	1.159 1.169 1.167 1.169 1.158 1.144 1.154	903 898 905 904 899 906	.300 .350 .400 .450 .500 .520	1.098 1.166 1.197 1.243 1.233 1.221 1.235	1 • 148 1 • 178 1 • 235 1 • 186 1 • 221 1 • 245 1 • 294	1.131 1.122 1.188 1.144 1.172 1.159 1.216	1.102 1.111 1.118 1.130 1.131 1.130	1.111 1.124 1.136 1.138 1.134 1.125 1.136	. 878 . 882 . 885 . 888 . 885 . 893 . 879
	.710 .740 .760 .780 .800 .850 .900	1.310 1.288 1.279 1.290 1.255 1.219 1.193 1.159	1.204 1.223 1.214 1.174 1.175 1.142 1.098	1.233 1.113 1.161 1.133 1.125 1.106 1.078 1.053	1.201 1.159 1.100 1.094 1.086 1.071 1.047	1.177 1.116 1.081 1.092 1.081 1.065 1.043 1.024	.908 .873 .857 .851 .845 .837 .828	.710 .740 .760 .780 .800 .850 .900	1.276 1.257 1.249 1.264 1.226 1.196 1.175 1.146	1.278 1.171 1.196 1.184 1.152 1.158 1.127	1.201 1.088 1.135 1.109 1.104 1.088 1.067 1.043	1.192 1.157 1.081 1.078 1.071 1.059 1.044 1.020	1.169 1.104 1.072 1.086 1.072 1.059 1.041 1.028	• 913 • 868 • 856 • 850 • 846 • 836 • 829 • 826
surface: Upper	.560 .580 .600 .620 .640 .660 .680	1.176 1.156 1.153 1.155 1.137 1.175 1.155 1.166	1.154 1.196 1.188 1.205 1.211 1.243 1.274	1.156 1.144 1.159 1.183 1.207	1.171 1.173 1.156 1.174 1.178 1.239 1.288	1.118 1.188 1.199 1.212 1.245 1.290 1.334	.869 .883 .889 .899	.560 .580 .600 .620 .640 .660 .680	1.213 1.191 1.188 1.187 1.170 1.199 1.183 1.192	1 • 184 1 • 222 1 • 217 1 • 233 1 • 240 1 • 269 1 • 297 1 • 310	1.185 1.174 1.188 1.208 1.226	1.201 1.204 1.190 1.204 1.211 1.257	1.140 1.200 1.210 1.228 1.254 1.297 1.334	.869 .883 .888 .896
Spoiler	•560 •580 •600 •620 •640 •660 •680 •690		1.333 1.335 1.335 1.334 1.335 1.336 1.333	1.321 1.324 1.325 1.323 1.321 1.323 1.321	1.324 1.323 1.321 1.317 1.323 1.324	1.322 1.321 1.320 1.314 1.322 1.319	1.036 1.038 1.033 1.026 1.033 1.031 1.040	.560 .580 .600 .620 .640 .660 .680		1 • 338 1 • 340 1 • 346 1 • 345 1 • 343 1 • 345 1 • 342 1 • 341	1.325 1.326 1.326 1.328 1.325 1.326 1.324 1.325	1.329 1.328 1.329 1.325 1.329 1.327	1.325 1.321 1.321 1.315 1.320 1.323 1.318	1.023 1.022 1.023 1.016 1.021 1.019
surface: Upper	.560 .580 .600 .620 .640 .660 .680		1.331 1.332 1.335 1.337 1.339 1.335 1.335	1.321 1.323 1.325 1.324 1.325 1.320 1.323	1.316 1.323 1.321 1.320 1.322 1.320 1.322	1.319 1.325 1.318 1.317 1.317 1.320 1.318	1.022 1.032 1.032 1.029 1.030 1.031 1.029 1.031	.560 .580 .600 .620 .640 .660 .680		1 • 343 1 • 341 1 • 344 1 • 345 1 • 345 1 • 345 1 • 340	1.326 1.329 1.328 1.328 1.329 1.326 1.328	1.319 1.329 1.327 1.328 1.329 1.327 1.327	1.318 1.322 1.322 1.318 1.318 1.318 1.317	1.021 1.021 1.021 1.021 1.020 1.020
Deflector	.580 .600 .620 .640 .660	1.388 1.308 1.289 1.290 1.283 1.311 1.372 1.124	1.244 1.246 1.278 1.281 1.286 1.258 1.260 1.274	1.247 1.175 1.204 1.187 1.173 1.199 1.199	1.212 1.148 1.173 1.165 1.157 1.149 1.142 1.161	1.080 1.086 1.167 1.136 1.146 1.136 1.145	.801 .856 .868 .870 .873 .899 .907	.600 .620 .640 .660	1.337 1.262 1.245 1.248 1.242 1.276 1.341	1.190 1.197 1.234 1.239 1.245 1.221 1.226	1.199 1.135 1.160 1.148 1.141 1.165 1.169	1.150 1.118 1.128 1.127 1.126 1.123 1.118 1.141	1.060 1.066 1.145 1.124 1.132 1.118 1.139	. 796 . 843 . 862 . 864 . 868 . 898 . 907

TABLE 4 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{S} = -0.010 \,c; \,\delta_{d} = -0.00000 \,c\right]$ 

T			Pressure	coefficien	it C <sub>D</sub> a	t <u>y</u> = -	- 7		F	Pressure C	oefficient	C <sub>p</sub> at	<u>y</u> = -	
	x/c	0.15	0.30	0.50	0.70	$t \frac{y}{b/2} = -$ 0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.
1	•000	•723	•539	•396	.836	.438	•614	.000	1.144	.806	•562	1.039	•584	
	.010	2 . 665	2.583	1.892	1.807	1.784	1.428	.010	4.335	2.757	1.954	1.799	1.710	10
	.030	1.830	2.252	1.815	1.748	1.690	1.331	• 030	1.808	2.705	1.944	1.787	1.670	1.
	•050	1.664	1.861	1.773	1.722	1.671	1.260	• 050	1.835	2.507	1.918	1.781	1.635	1.
	0075	1.498	1.600	1.710	1.674	1.626	1.065	•100	1.635	1.941	1.821	1.741	1.607	1.
	•100 •150	1.449	1.518	1.520	1.523	1.482	•998	.150	1.501	1.693	1.728	1.703	1.555	1.
	•200	1.356	1.363	1.427	1.440	1.403	• 977	•200	1.436	1.542	1.641	1.650	1.501	1.
	•250	1.352	1.334	1.364	1.379	1.343	•968	• 250	1.409	1.447	1.560	1.604	1.454	1.
	•300	1.305	1.324	1.330	1.334	1.301	•967	• 300	1.357	1.394	1.487	1.545	1.412	10
	.350	1.297	1.309	1.301	1.301	1.276	. 964	• 350	1.342	1.357	1.422	1.487	1.376	1.
Upper	.400	1.290	1.278	1.274	1.268	1.242	• 953	. 400	1.327	1.321	1.369	1.433	1.333	10
Jp	0450	1.265	1.266	1.244	1.249	1.224	•959	0450	1.297	1.302	1.329	1.320	1.262	1.
7	•500 •520	1.262	1.230	1.221	1.197	1.185	•929 •919	.500 .520	1.289	1.253	1.303	1.335	1.254	1.
	•538	1.249	1.278	1.170	1.228	1.188	•925	•538	1.270	1.319	1.261	1.325	1.252	
	.710	1.199	1.373	1.357	1.357	1.339	1.046	.710	1.215	1.389	1.379	1.314	1.310	10
	•720	1.207	1.377	1.367	1.360	1.347	1.043	.720	1.218	1.356	1.361	1.242	1.276	10
	.740	1.203	1.361	1.282	1.175	1.181	1.040	.740	1.211	1 . 223	1.212	1.170	1.175	1.
	.760	1.188	1.214	1.156	1.105	1.100	1.004	.760	1.197	1.160	1.157	1.158	1.140	10
	•780	1.193	1.136	1.122	1.095	1.087	•971	• 780	1.195	1.143	1.142	1.155	1.135	10
	.800	1.167	1.122	1.104	1.097	1.078	•940	• 800	1.176	1.121	1.136	1.151	1.123	1.
	.850	1.144	1.108	1.091	1.084	1.069	.941	.850	1.148	1.088	1.124	1.074	1.111	
	•950	1.108	1.085	1.053	1.049	1.040	.886	• 950	1.098	1.081	1.079	1.052	1.059 .892	
	1.000	1.106	1.079	•923	1.026	.863	•755	1.000		1.083				
	•010	•413 •554	.491 .617	•544 •680	•580 •701	.617	•595 •716	•010	• 272 • 424	•413	. 460 . 582	.494 .612	+565	
	.050	.636	•696	0754	.776	.815	•755	.050	.519	.603	. 654	0693	• 758	
	.075	•702	•770	.832	.824	.836	.803	• 075	•597	. 680	• 737	6742	•792	
	.100	• 752	.825	.862	.886 .935	.904 .942	.827	•100	. 656 . 765	• 736 • 832	• 776 • 862	.806 .868	•859 •907	
	•150	. 863 . 872	1.005	•952 •954	. 983	997	.846 .866	• 150 • 200	.793	905	. 885	• 924	•969	
	•200 •250	.913	1.003	1.014	1.010	1.024	.868	• 250	.840	957	. 946	963	1.000	
	•300	1.022	1.081	1.062	1.039	1.043	.871	•300	.949	1.014	. 999	0987	1.019	
	.350	1.091	1.118	1.058	1.058	1.070	.879	.350	1.022	1.055	1.010	1.012	1.048	
er	.400	1.127	1.179	1.134	1.070	1.084	.883	• 400	1.059	1.122	1.084	1.029	1.067	
LOV	.450	1.182	1.133	1.098	1.092	1.097	.887	. 450	1.116	1.089	1.055	1.054	1.079	
17	.500	1.182	1.174	1.128	1.088	1.096	.890	e 5 0 0	1.122	1.131	1.090	1.061	1.083	
	•520	1.172	1.199	1.122	1.089	1.086	•903	• 520	1.116	1.156	1.086	1.060	1.074	
	0540	1.186	1.252	1.178	1.140	1.093	.895	• 540	1.129	1.205	1.142	1.114	1.087	
	•710	1.243	1.253	1.180	1.175	1.159	•932	•710	1.194	1.226	1.156	1.154	1.160	
1	•740	1.227	1.148	1.067	1.072	1.060	.883	0740	1.185	1.126	1.048	1.064	1.084	
	•760 •780	1.223	1.174	1.091	1.072	1.060	.871 .861	•760 •780	1.206	1.151	1.076	1.063	1.078	
	.800	1.203	1.133	1.088	1.065	1.064	.860	.800	1.162	1.113	1.075	1.060	1.069	
	.850	1.172	1.141	1.077	1.053	1.055	.849	.850	1.135	1.126	1.067	1.052	1.064	
199	.900	1.159	1.118	1.064	1.045	1.040	.841	.900	1.128	1.106	1.059	1.051	1.053	
	•950	1.137	1.085	1.043	1.028	1.035	.844	• 950	1.115	1.078	1.048	1.044	1.056	
	•560 •580	1.252	1.234	1.242	1.231	1.183	•934	.560 .580	1.274	1.300	1.298	1.298	1.238	1
H	•600	1.228	1.257	1.232	1.232	1.212	944	•600	1.248	1.286	1.274	1.283	1.246	1.
be	•620	1.226	1.273	1.246	1.222	1.224	. 954	.620	1.244	1.295	1.284	1.271	1.243	1.
Upper	.640	1.209	1.275	1.257	1.228	1.237	.963	.640	1.228	1.300	1.285	1.267	1.245	10
D	.660	1.232	1.294		1.227	1.252		• 660	1.244	1.316		1.250	1.255	
	.680	1.216	1.327	1.312	1.269	1.286	•990	. 680	1.230	1.340	1.321	1.272	1.272	10
	•690	1.220	1.336	1.348	1.303	1.313	1.016	.690	1.234	1.347	1 . 354	1.294	1.291	10
er.	•560 •580		1.368	1.353	1.348	1.330	1.022	•560 •580		1.380	1.364	1.345	1.324	14
2 .	•600		1.368	1.352	1.345	1.332	1.024	•600		1.382	1.366	1.349	1.325	10
rer	.620		1.371	1.355	1.345	1.334	1.024	.620		1.378	1.366	1.348	1.326	10
Lowe	.640		1.369	1.351	1.344	1.327	1.022	• 640		1.382	1.364	1.342	1.323	10
H	.660		1.369	1.350	1.347	1.335	1.024	•660		1.382	1.367	1.353	1.334	10
	•680 •690		1.369	1.352	1.347	1.330	1.022	• 680 • 690		1.379	1.366	1.352	1.337	10
	•560		1.369	1.352	1.341	1.322	1.019	• 560		1.380	1.365	1.344	1.317	10
H	•600		1.367	1.354	1.345	1.327	1.024	.600		1.382	1.367	1.345	1.321	1.
be	.620		1.373	1.352	1.345	1.328	1.026	.620		1.384	1.366	1.346	1.323	1.
Up	.640		1.372	1.356	1.345	1.328	1.025	0640		1 . 384	1.366	1.349	1.323	1.
	.660		1.371	1.354	1.345	1.327	1.024	.660		1.384	1 . 366	1.350	1.327	1.
Upper	.680 .688		1.372	1.356	1.346	1.328	1.021	688 688		1.384	1.366	1.354	1.335	1.
	•560	1.288	1.149		1.151	1.027	•798		1.225		1.126	1.120	1.018	
	•580	1.215	1.159	1.162	1.087	1.035	.849	● 580	1.163	1.112	1.071	1.067	1.025	
H		1.202	1.196	1.131	1.124	1.129	.869		1.150	1.160	1.102	1.101	1.113	
ower	.620	1.206	1.203	1.115	1.112	1.096	.871	· 620	1.157	1.169	1.090	1.095	1.092	
07	0640	1.202	1.215	1.108	1.108	1.106	.878	0640	1.155	1.180	1.086	1.091	1.103	
I	a660	1.240	1.190	1.138	1.104	1.096	0914	0660	1.188	1.160	1.112	1.088	1.094	
	•680	1.305	1.195	1.141	1.101	1.123	.919	.680 .688	1.099	1 . 167	1.120	1.087	1.122	
	e688		1.207	1.122		1.073	.895			1.179	1.095	1.109	1.068	

TABLE 4.- PRESSURE COEFFICIENTS - Continued  $\left[ \delta_{\text{S}} = ^{-0*010}\text{c}; \ \delta_{\text{d}} = ^{-0*00000\text{c}} \right]$ 

- 80

a = 100

			α	= 80							. = 10	O 04	V	,
	,	I	Pressure o	coefficient	. Cp at	$\frac{y}{b/2} = -$		x/c	P	ressure co	pefficient	Cp at	$\frac{y}{b/2} = -$	
-	x/c	0.15	0.30	0.50	0.70	0.85	0.97	λ/ C	0.15	0.30	0.50	0.70	0.85	0.97
-														
	.000	1.912	1.100	•704	1.748	• 788	0865	.000	2.087	1.298	2.055	1.356	.885 1.618	1.29
	.010 .030	4.341	2.714	2.061	1.736	1.627	1.362	.030	4.465	2.661	2.042	1.746	1.606	1.27
	.050	2.114	2.783	2.052	1.733	1.623	1.298	. 050	4.627	2 . 652	2.032	1.750	1.607	1.26
	.075	1.847	2.835	2.041	1.726	1.631	1.259	.075	3.398	2 . 652	2.023	1.744	1.609	1.026
	.100	1.757	2.850	2.030	1.718	1.625	1.226	.100	2.132	2.698	2.012	1.741	1.610	1.25
	.150	1.632	2.678	2.001	1.704	1.616	1.192	.150	1.900	2.803	1.986	1.733	1.614	1 024
	.200	1.539	2.116	1.980	1.682	1.592	1.175	• 200	1.735	2.616	1.965	1.722	1.610	1.23
	• 250	1.501	1.585	1.962	1.660	1.572	1.163	• 250	1.54	1.969	1.953	1.711	1.608	1.22
	• 300	1.437	1.322	1.925	1.637	1.511	1.144	.350	1.498	1.684	1.934	1.678	1.596	1.21
H	•350 •400	1.391	1.254	1.770	1.574	1.476	1.133	. 490	1.467	1.496	1.891	1.657	1.576	1.20
Upper	• 450	1.358	1.266	1.677	1.539	1 . 442	1.131	• 450	1.440	1 . 404	1.844	1.633	1.557	1.19
5	.500	1.342	1.233	1.603	1.485	1.407	1.107	.500	1.410	1.324	1.791	1.594	1.531	1.17
	.520	1.316	1.213	1.573	1.499	1.397	1.094	•520	1.395	1.312	1.768	1.607	1.518	1016
	•538	1.330	1.324	1.537	1.489	1.386	1.091	• 538 • 710	1.376	1.400	1.526	1.597	1.392	1.14
	•710	1.264	1.407	1.414	1.363	1.337	1.125	.720	1.269	1.462	1.487	1.468	1.373	1.12
	•720 •740	1.262	1.404	1.375	1.331	1.260	1.091	.740	1.277	1.404	1.472	1.469	1.378	1.11
	.760	1.242	1.324	1.235	1.322	1.250	1.076	.760	1.266	1 . 254	1.443	1 . 457	1.376	1.11
	.780	1.232	1.217	1.223	1.319	1.251	1.075	.780	1.249	10.171	1.423	1.450	1.372	1.11
	.800	1.215	1.144	1.207	1.305	1.232	1.055	.800	1.246	1.149	1.403	1.438	1.353	1.10
	.850	1.180	1.108	1.180	1.275	1.219	1.042	.850	1.217	1.142	1.354	1.408	1.342	1.00
	.950	1.121	1.084	1.099	1.171	1.132	• 968	0.950	1.181	1.08	1.043	1.293	1.219	1.02
	1.000	1.108	1.072	•993	1.142	• 956	.827	1.000	1.118	1.086	1.0 0.40	10231	10013	
	.010	.171	.347	•379	.422	. 498	.506	.010	.103	. 332	. 355	.382	.442	+48
	.030	.304	• 427	.491	.535		.634	.030	• 217	.371	. 441	0476		06
	.050	•407	.508	•567	.633	.676	• 696	• 050	•317	• 448 • 523	.509	0634 0613	· 616	06
	.075	• 495	589	•650	•673	• 714	•755 •786	.100	.482	.583	.637	67-8	0737	0.7
	•100 •150	.564	•651 •750	.696 .789	.733 .808	• 785 • 847	.825	.150	.594	. 686	.736	.753	.803	.8
	• 2.00	• 727	.827	.831	.862	.909	.850	• 200	.660	. 766	.778	.818	.876	.8
	• 250	. 785	.880	.887	.906	.952	.860	• 250	.723	.819	. 840	.867	.920	. 8
	.300	. 886	.943	•940	.935	.983	.867	• 300	.807	. 886	. 892	.900	.954	.8
	.350	.962	.993	.960	•972	1.014	.877	• 350	. 887	. 940	.917	• 939	.993	. 84
Lower	.400	1.010	1.065	1.033	.989	1.033	.886	• 400	• 941	1.013	• 999	1.000	1.019	.8
ğ	.450	1.069	1.031	1.014	1.017	1.051	.892	. 450 . 500	1.008	1.038	• 984 1• 027	1.013	1.054	.9
-	•500	1.080	1.081	1.051	1.028	1.067	.900 .918	.520	1.021	1.064	1.021	1.025	1.054	49
	•520 •540	1.078	1.104	1.106	1.087	1.080	.908	.540	1.029	1.121	1.083	1.074	1.073	.9
	.710	1.171	1.193	1.134	1.149	1.170	. 956	.710	1.125	1.172	1.130	10160	1.179	09
	.740	1.167	1.097	1.030	1.123	1.092	.909	.740	1.129	1.080	1.026	10,144	1.109	09
	.760	1.161	1.124	1.085	1.063	1.070	.903	.760	1.123	1.109	1.087	1.083	1.091	09
	.780	1.190	1.118	1.060	1.068	1.090	.893	.780	1-148	1.105	1.064	1.089	1.112	.9
	.800	1.146	1.092	1.062	1.066	1.086	.900	.850	1.094	1.099	1.075	1.105	1.121	.9
	.850	1.129	1.107	1.059	1.070	1.086	.888 .891	900	1.099	1.086	1.083	1.137	1.137	09
	.900	1.124	1.089	1.053	1.093	1.100	.894	. 950	1.095	1.070	1.091	1.158	1.151	09
								510	1 205	1.290				
	•560	1.323	1.258	1.524	1.451	1.267	1.097	•560 •580	1.385	1.347	1.727	1.572	1.498	1.1
ы	•580	1.309	1.306	1.468	1.451	1.367 1.353	1.096	.600	1.352	1.317	1.659	1.562	1.487	1.1
8,	.600 .620	1.301	1.301	1.435	1.423	1.348	1.093	.620	1.343	1.329	1 9 6 4 1	1.548	1.480	101
i d	•640	1.282	1.308	1.402	1.406	1.339	1.089	0640	1.331	1.333	1.598	1.536	1.461	1.1
ပ္သံု	.660	1.290	1.338		1.381	1.333		0 660	1.310	10353		1.511	1.456	
ria l	.680	1.278	1.363	1.391	1.375	1.327	1.085	.680	1.324	1.308	1.562	1.523	1.444	1.1
Surface: Upper	•690	1.279	1.372	1.409	1.373	1.335	1.096	• 690	1.299	1.402	1.565	1.517	1.457	lel
er	.560		1.404	1.389				.560		1.459	1.476			
7	•580		1.408	1.388	1.383	1.363	1.051	.580		1 . 457	1.476	1.468	1.398	1.0
Spoiler	•600		1.404	1.389	1.386	1.367	1.053	.600		1 . 459	1.477	1.475	1.399	1.0
a B	.620		1.406	1.390	1.388	1.367	1.055	•620		1.460	1.477	1 - 478	1.403	1.0
Lower	.640		1.405	1.385	1.381	1.367	1.050	• 640		1.458	1.476	1.476	1.398	1.0
Н	.660		1.406	1.386	1.387	1.379	1.054	• 660 • 680		1.459	1.472	1.477	14415	1.0
	•680 •690		1.407	1.388	1.386	1.386	1.059	• 690		1.455	1.484	10477	1.427	101
	•560		1.403	1.388	1.380	1.359	1.046	• 560		1.458	1.473	1.468	14389	100
ы	•580		1.404	1.390	1.382	1.362	1.049	• 580		1.459	1.475	1.473	1.400	100
Ψ	•600		1.403	1.391	1.387	1.367	1.049	•600 •620		1.459	1.471	1.475	1.397	1.0
ipi	.620 .640		1.408	1.389	1.387	1.371	1.054	640		1.462	1.481	1.478	1.405	1.0
ac	.660		1.408	1.389	1.385	1.378	1.056	.660		1.459	1.481	10474	1.408	1.0
surface: Upp	•680		1.405	1.391	1.388	1.390	1.055	. 680		1.460	1.479	1.479	1.417	1.0
S	•688		1.406	1.389	1.387	1.385	1.053	• 688		1 . 454	1.476	1.477	10412	1.0
Deflector	•560	1.188	1.062	1.090	1.090	1.026	.808	.560	1.129	1.027	1.067	1.000	1.004	-68
ec	•580	1.125	1.080	1.041	1.044	1.030	.867	0580	1.073	1.047	1.021	1.042	1.021	
Te L		1.116	1.117	1.071	1.077	1.102	.891	•600		1.086	1.055	1.072	1.000	09
~ 0	•620	1.123	1.128	1.064	1.073	1.084	.891	0620		1.098	1.047	1.075	1.090	89
H B	0640	1.126	1.140	1.056	1.073	1.02	.899 .936	. 640 . 660	1.076	1.093	1.075	1.079	1.099	
Lower				1000/	10013		0720	0000	****					
Low	2660 2660	1.161	1.129	1.096	1.073	1.130	.944	.680	1.183	1.107	1.084	1.082	1.077	69

TABLE <sup>4</sup> .- PRESSURE COEFFICIENTS - Continued  $\left[ \delta_{\text{S}} = ^{-0*010}\text{c}; \ \delta_{\text{d}} = ^{-0*00000\text{c}} \right]$ 

 $\alpha = 12^{\circ}$ 

a = 14 0

	,		Pressure	coefficier	nt C <sub>p</sub> a	$t \frac{y}{b/2} = -$	-	-/-	Pressure coefficient $C_p$ at $\frac{y}{b/2} = -$						
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97	
Surface: Upper	.000 .010 .030 .050 .075 .100 .250 .300 .450 .520 .530 .720 .740 .760 .780 .880 .850 .850	1.416 2.783 3.031 3.129 3.037 2.912 2.542 2.099 1.781 1.606 1.555 1.415 1.415 1.415 1.415 1.424 1.314 1.299 1.271 1.299 1.237 1.169	1.377 2.444 2.464 2.451 2.433 2.427 2.457 2.404 2.295 2.137 1.991 1.862 1.713 1.726 1.544 1.501 1.324 1.310 1.326 1.310	.937 2.010 1.988 1.982 1.973 1.963 1.947 1.925 1.916 1.909 1.885 1.813 1.813 1.813 1.813 1.857 1.568 1.579 1.568 1.579 1	1.522 1.757 1.736 1.742 1.740 1.736 1.733 1.729 1.727 1.721 1.710 1.668 1.674 1.537 1.538 1.556 1.546 1.536 1.546 1.536 1.546 1.536 1.546 1.536 1.546 1.536 1.546 1.536 1.546 1.536 1.546	.989 1.616 1.617 1.618 1.618 1.616 1.628 1.635 1.644 1.650 1.628 1.609 1.509 1.604 1.478 1.478 1.478 1.478 1.478 1.478	1.047 1.244 1.238 1.248 1.225 1.248 1.256 1.256 1.253 1.243 1.236 1.227 1.216 1.192 1.196 1.195 1.195 1.141 1.145 1.141 1.145 1.149 1.141 1.137	.000 .010 .030 .050 .075 .100 .150 .200 .350 .400 .520 .538 .710 .720 .740 .780 .800 .850 .950	1.149 2.82 2.385 2.379 2.372 2.292 2.211 2.079 1.914 1.785 1.663 1.543 1.5543 1.5543 1.337 1.337 1.347 1.359 1.359 1.331	1.353 2.248 2.226 2.223 2.222 2.219 2.209 2.210 2.208 2.191 2.148 2.092 1.954 1.954 1.663 1.662 1.600 1.577 1.577 1.573 1.494 1.343 1.295	1.026 1.971 1.939 1.932 1.923 1.923 1.923 1.891 1.889 1.881 1.873 1.865 1.827 1.828 1.655 1.665 1.665 1.669 1.694 1.438 1.994	1.659 1.743 1.720 1.722 1.722 1.722 1.718 1.718 1.716 1.716 1.710 1.696 1.704 1.700 1.566 1.582 1.605 1.607 1.607 1.607 1.607 1.607 1.607 1.607 1.607 1.607 1.607 1.607 1.607 1.607 1.607 1.608	1.071 1.624 1.613 1.615 1.615 1.614 1.623 1.663 1.663 1.663 1.663 1.663 1.663 1.663 1.663 1.663 1.655 1.655 1.655 1.555	1 * 165 1 * 257 1 * 251 1 * 252 1 * 270 1 * 277 1 * 285 1 * 286 1 * 283 1 * 281 1 * 275 1 * 226 1 * 227 1 * 266 1 * 218 1 * 222 1 * 238 1 * 221 1 * 222 1 * 238 1 * 248 1 * 248 1 * 248 1 * 266 1 * 218 1 * 222 1 * 238 1 * 248 1 * 24	
Wing 8	010 030 050 075 100 200 250 300 350 450 500 540 740 760 800 850 950	.091 .201 .294 .385 .458 .567 .633 .699 .780 .866 .990 1.009 1.011 1.021 1.132 1.136 1.131 1.158 1.122 1.116	.329 .348 .415 .483 .543 .644 .725 .783 .847 .906 .983 .964 1.019 1.047 1.07 1.107 1.107 1.08 1.103 1.093	.346 .411 .473 .544 .596 .693 .803 .803 .801 .991 .005 .1006 .1086 .1133 .0091 .1096 .1099 .1266 .143	.368 .439 .562 .574 .636 .713 .782 .837 .874 .913 .949 .987 1.004 1.017 1.069 1.174 1.100 1.107 1.115 1.137 1.1137	*415 *575 *621 *696 *771 *843 *890 *932 *973 1.004 1.025 1.047 1.049 1.026 1.125 1.110 1.133 1.136 1.152 1.178 1.203	. 457 . 558 . 634 . 702 . 833 . 843 . 861 . 875 . 888 . 943 . 931 . 924 . 985 . 944 . 949 . 944 . 939 . 944 . 939	**100 **100 **100 **150 **250 **300 **350 **450 **550 **550 **710 **740 **760 **850 **850 **900 **950	*074 *176 *268 *355 *422 *532 *594 *662 *741 *826 *979 1:115 1:115 1:115 1:115 1:115 1:123 1:128	. 332 . 337 . 394 . 457 . 517 . 614 . 6695 . 750 . 815 . 877 . 958 . 940 . 931 1 . 004 1 . 170 1 . 119 1 . 120 1 . 119 1 . 138 1 . 149 1 . 163	*347 *391 *447 *516 *564 *659 *705 *773 *832 *865 *942 *994 *1058 *1.162 *1.039 *1.115 *1.097 *1.115	.363 .417 .519 .533 .596 .675 .746 .806 .843 .892 .925 .965 .993 1.005 1.005 1.101 1.111 1.114 1.124 1.158 1.207 1.253	*412 *547 *600 *664 *747 *822 *869 *919 *953 *994 1023 1:047 1:048 1:065 1:206 1:153 1:163 1:181 1:219 1:255	. 456 . 554 . 624 . 701 . 741 . 798 . 886 . 881 . 891 . 911 . 949 . 959 1. 040 . 949 . 949 1. 004 . 1001 . 1000 1. 0003 1. 004 . 1000 1. 004	
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.416 1.394 1.381 1.370 1.342 1.363 1.340 1.342	1.592 1.619 1.566 1.550 1.507 1.507 1.504	1.792 1.764 1.749 1.732 1.699	1.656 1.653 1.642 1.638 1.620 1.660	1.592 1.582 1.574 1.561 1.565 1.567	1.188 1.181 1.179 1.172 1.166 1.173	.560 .580 .600 .620 .640 .660 .680	1.504 1.476 1.455 1.438 1.401 1.420 1.390 1.394	1.852 1.861 1.823 1.801 1.762 1.742 1.721 1.704	1.818 1.809 1.794 1.783 1.769 1.781 1.812	1.698 1.701 1.697 1.703 1.698 1.753	1.634 1.629 1.631 1.628 1.639 1.657	1.256 1.256 1.256 1.254 1.258 1.277	
Spoiler	•560 •580 •600 •620 •640 •660 •680 •690		1.524 1.528 1.534 1.532 1.529 1.529 1.526 1.524	1.529 1.531 1.535 1.538 1.532 1.527 1.538 1.543	1.516 1.517 1.521 1.516 1.527 1.528 1.527	1.445 1.449 1.451 1.450 1.460 1.464	1.117 1.122 1.126 1.121 1.125 1.128 1.134	.560 .580 .600 .620 .640 .660 .680		1.646 1.658 1.666 1.672 1.663 1.659 1.648	1.585 1.589 1.592 1.596 1.592 1.588 1.601 1.603	1.541 1.548 1.550 1.545 1.553 1.554	1.488 1.494 1.499 1.491 1.504 1.505	1.191 1.197 1.201 1.195 1.201 1.204 1.208	
or surface: Upper			1.522 1.531 1.535 1.532 1.535 1.531 1.527	1.528 1.532 1.536 1.525 1.542 1.536 1.543 1.535	1.515 1.514 1.516 1.519 1.522 1.524 1.529 1.527	1.436 1.440 1.449 1.446 1.454 1.457 1.464 1.459	1.115 1.120 1.124 1.124 1.124 1.122 1.121 1.122	• 560 • 580 • 600 • 620 • 640 • 660 • 688		1.649 1.661 1.670 1.673 1.668 1.655 1.652	1.583 1.590 1.593 1.585 1.600 1.599 1.603 1.594	1.544 1.546 1.546 1.551 1.556 1.558 1.556	1.479 1.486 1.490 1.491 1.500 1.497 1.506 1.502	1.191 1.194 1.198 1.201 1.199 1.205 1.198	
Deflector Lower	.680	1.119 1.065 1.059 1.069 1.078 1.116 1.189 1.106	1.007 1.032 1.071 1.087 1.104 1.086 1.098 1.114	1.052 1.009 1.044 1.039 1.038 1.071 1.084 1.065	1.076 1.036 1.072 1.076 1.080 1.085 1.089 1.111	.997 1.021 1.110 1.093 1.115 1.105 1.149 1.085	.818 .894 .911 .918 .926 .968 .973	.580 .600 .620 .640 .660	1.088 1.035 1.031 1.045 1.054 1.097 1.168 1.098	.990 1.017 1.058 1.076 1.097 1.082 1.097 1.112	1.039 1.002 1.038 1.037 1.039 1.074 1.086 1.071	1.067 1.031 1.065 1.073 1.078 1.088 1.094 1.113	.999 1.028 1.125 1.100 1.121 1.116 1.163 1.101	.854 .936 .962 .961 .973 1.013 1.021 .992	

TABLE 4 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{S} = -0.010 \,\mathrm{c}; \,\delta_{d} = -0.00000 \,\mathrm{c}\right]$ 

a = 16

 $\alpha = 18^{\circ}$ 

T				coefficien	t Cp at	<u>y</u> =			Pressure coefficient $C_p$ at $\frac{V}{b/2} = -$						
1	x/c	-			-	b/2		x/c						0.00	
-	-	0.15	0.30	0.50	0.70	0.85	0.97		0.15	0.30	0.50	0.70	0.85	0.9	
	.000	1.102	1.350	1.142	1.838	1.145	1.216	.000	1.101	1.387	1.221	2.147	1.220	1.2	
	.010	2.174	2.148	1.964	1.757	1.628	1.257	.010	2.016	2.043	1.960	1.755	1.630	1.2	
	.030 .050	2.151	2.118	1.930	1.731	1.617	1.254	•030	2.004	2.014	1.936	1.733	1.616	1.2	
	•075	2.152	2.113	1.916	1.734	1.610	1.262	.075	2.014	2.009	1.895	1.733	1.613	1.2	
	.100	2.151	2.115	1.905	1.729	1.610	1.267	.100	2.018	2.015	1.884	1.729	1.609	1.2	
	.150	2.138	2.110	1.900	1.729	1.616	1.276	• 150	2.012	2.016	1.886	1.727	1.615	102	
	.200	2.128	2.102	1.891	1.725	1.620	1.282	• 200	2.007	2.013	1.884	1.719	1.614	1.2	
	•250	2.118	2.102	1.886	1.724	1.630	1.283	• 250	2.002	2.016	1.883	1.719	1.619	1.2	
	•300 •350	2.086	2.095	1.880	1.723	1.631	1.287	• 350	1.969	2.008	1.875	1.718	1.627	1.2	
Upper	•400	1.947	2.065	1.865	1.724	1.641	1.284	• 400	1.940	2.001	1.867	1.718	1.633	1.2	
Jpl	• 450	1.855	2.036	1.858	1.722	1.638	1.280	• 450	1.899	1.991	1.864	1.718	1.637	1.2	
-	•500	1.803	1.989	1.849	1.716	1.640	1.285	•500	1.875	1.973	1.857	1.718	1.641	1.2	
	•520 •538	1.761	1.979	1.842	1.722	1.647	1.287	•538	1.871	1.969	1.860	1.729	1.654	1.2	
	•710	1.537	1.764	1.718	1.610	1.546	1.249	.710	1.684	1.833	1.751	1.640	1.578	1.2	
	•720	1.542	1.747	1.718	1.624	1.554	1.251	•720	1.681	1.826	1.752	1.651	1.588	1.2	
	.740	1.536	1.746	1.740	1.650	1.586	1:262	•740	1.673	1.823	1.775	1.679	1.618	1.2	
	•760	1.505	1.726	1.738	1.660	1.599	1.272	• 760 • 780	1.639	1.814	1.775	1.684	1.636	1.2	
	•780 •800	1.503	1.705	1.724	1.663	1.598	1.279	.800	1.586	1.792	1.763	1.693	1.639	102	
	.850	1.421	1.622	1.695	1.651	1.606	1.289	.850	1.518	1.721	1.737	1.683	1.649	102	
	.950	1.307	1.450	1.572	1.561	1.476	1.230	• 950	1.374	1.549	1.628	1.617	1.546	102	
2	1.000	1.252	1.398	1.253	1.486	1.181	1.037	1.000	1.329	1.513	1.319	1.551	1.247	1.0	
9	•010	•070	.339	•356	.367	.399	.453	.010	.036	. 346	.368	.369	.407	. 4	
-	.030	•150	.327	•374	.402		.542	.030	.120	.308	.361	•378		. 5	
	.050	.241	•377	•420	.497	.522	.612	.050	.206	• 353	• 396	•471	• 497	0.5	
	.075	• 328	• 439	•490	•510	•571	•689	•100	•289 •354	• 407 • 456	• 456 • 501	.480 .539	•545 •611	0 6	
	•100 •150	•397 •506	• 490 • 589	•534 •626	•570 •651	.639 .720	.736 .800	•150	• 464	. 548	• 593	.619	.695		
	•200	• 568	.666	•678	.724	• 797	.842	•200	•526	. 626	.648	0691	•775	. 8	
	.250	.636	.721	.745	.786	.853	.865	. 250	.594	.687	.715	.763	.832	8	
1	.300	.716	•792	.808	.825	.900	.888	• 300	.674	• 752	• 773	.802	•887	. 8	
er	•350	.804	.850	.845	.879	• 948	.902	• 350 • 400	.764 .822	. 815	.818	·854	•934 •973	. 8	
Lower	•400 •450	• 865 • 934	•937 •921	•933	•915 •963	.983 1.017	.926 .943	• 450	.894	. 892	.909	.947	1.011	09	
ĭ	•500	• 955	• 982	• 984	.988	1.043	.965	•500	.925	959	. 966	.980	1.039	. 9	
	.520	.967	1.014	.990	1.004	1.046	.983	.520	.934	. 994	. 974	. 997	1.043	. 9	
1	•540	•977	1.071	1.054	1.057	1.062	.970	• 540	.944	1.051	1.043	1.052	1.064	09	
	•710	1.120	1.175	1.163	1.198	1.222	1.068	•710	1.103	1.175	1.068	1.211	1.237	1.0	
1	•740	1.126	1.090	1.065	1.186	1.156	1.024	•740	1.115	1.136	1.152	1.148	1.166	1.00	
	•780	1.155	1.132	1.126	1.144	1.174	1.021	• 780	1.151	1.142	1.135	1.160	1.193	1.0	
	.800	1.130	1.115	1.140	1.158	1.181	1.031	.800	1.123	1.124	1.155	1.172	1.206	1.0	
	.850	1.129	1.160	1.179	1.186	1.206	1.038	• 850	1.134	1.184	1.198	1.210	1.235	1.0	
- 1	•900	1.155	1.185	1.232	1.243	1 . 247	1.063	• 900	1.170	1.221	1.255	1.276	1.286	1.0	
	• 950	1.174	1.214	1.296	1.305	1.297	1.090	• 950	1.204	1.270	1.335	1.349	1.347	1.1	
	•560	1.734	1.934	1.839				.560	1.849	1.949	1.858				
FH	•580	1.710	1.939	1.834	1.727	1.650	1.287	•580	1.835	1.953	1.857	1.732	1.658	102	
8	•600	1.688	1.914	1.831	1.731	1.650	1.287	• 600 • 620	1.817	1.943	1.854	1.741	1.665	1.2	
Upper	•620 •640	1.668	1.898	1.832	1.732	1.655	1,291	.640	1.783	1.927	1.862	1.753	1.679	1.2	
2	•660	1.634	1.858	1.032	1.750	1.678	10471	.660	1.776	1.920	2000	1.773	1.701		
surface:	.680	1.602	1.845	1.868	1.806	1.707	1.304	.680	1.747	1.917	1.904	1.820	1.732	1.	
	•690	1.595	1.834	1.907	1.855	1.753	1,319	• 690	1.741	1.923	1.951	1.875	1.778	103	
Spoiler	•560		1.714	1.669				. 560		1.784	1.706				
g	.580		1.721	1.670	1.586	1.519	1.234	•580		1.789	1.711	1.615	1.552	1.2	
er	.600		1.730	1.673	1.588	1.524	1.233	.600		1.792	1.715	1.615	1.559	1.2	
Lower	•620		1.730	1.678	1.589	1.528	1.234	•620		1.796	1.719	1.618	1.555	102	
니	•640		1.728	1.676	1.597	1.535	1.236	.660		1.790	1.714	1.626	1.570	10	
	.680		1.721	1.680	1.599	1.534	1.242	.680		1.787	1.719	1.626	1.567	10	
	•690		1.729	1.686	1.598	1.540	1.247	.690		1.790	1.726	1.630	1.574	10	
	•560		1.708	1.667	1.580	1.513	1.230	.560		1.775	1.709	1.613	1.549	1.	
	•580		1.721	1.670	1.579	1.517	1.228	• 580		1.786	1.711	1.612	1.552	10	
Je 1	.600		1.730	1.675	1.585	1.524	1.232	.600		1.0791	1.721	1.616	1.556	10	
Jpr.	•620		1.733	1.670	1.586	1.518	1.231	• 620		1.797	1.711	1.620	1.553	10	
ac	•640		1.733	1.681	1.592 1.598	1.528 1.527	1.236	• 640		1.789	1.726	1.629	1.561	10	
5	•660 •680		1.727	1.686	1.597	1.534	1.240	.680		1.793	1.729	1.627	1.565	1.	
Surface. Upper	•688		1.720	1.679	1.597	1.531	1.231	•688		1.791	1.722	1.625	1.566	1.	
TOL		1 075	070		1.047	1.000	. 077	. 540	1.043	. 959	1.029	1.062	1.001		
lector	•560 •580	1.073	.979 1.009	1.040	1.067	1.000	.877 .959	• 580	• 999	. 959	. 991	1.029	1.035	:	
Deile	.600	1.025	1.055	1.044	1.070	1.125	.983	.600	•997	1.038	1.036	1.069	1.130		
Def	•620	1.039	1.071	1.044	1.081	1.108	•982		1.013	1.059	1.040	1.079	1.113		
3	•640	1.048	1.094	1.044	1.088	1.130	•999		1.026	1.081	1.046	1.089	1.136	1.	
		1.091	1.078 1.095	1.088	1.095	1.124	1.040		1.068	1.071	1.105	1.099	1.132	1.00	
		1.170	1.116	1.085	1.128	1.108	1.019		1.125	1.109	1.086	1.135	1.120	100	
		****													

TABLE 4 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{\rm S} = -0.010\,{\rm c};\,\delta_{\rm d} = -0.00000\,{\rm c}\right]$   $\alpha = 22^{\circ}$ 

				α = 20		-		,			a = 22			
	/0		Pressure	coefficien	it Cp a	$t \frac{y}{b/2} = -$	-	/-	F	Pressure o	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	•000		1.439	1.291	2.184	1 271	1 2/2	.000	1.099	1 200	1 240			
	.010		1.974	1.969	1.738	1.271	1.262	.010	1.857	1.399	1.249	1.842	1.326	1.275
	.030		1.950	1.972	1.720	1.597	1.251	•030	1.836	1.813	1.842	1 . 643	1.597	1.264
	•050		1.948	1.898	1.720	1.593	1.254	• 050	1.834	1.806	1.787	1.646	1.598	1.264
	•075 •100		1.949	1.874	1.718	1.589	1.259	• 075 • 100	1.834	1.805	1.774	1.643	1.595	1.268
	•150		1.961	1.861	1.709	1.592	1.264	• 150	1.857	1.823	1.771	1.639	1.597	1.271
	•200 •250		1.966	1.860	1.702	1.592	1.269	•200 •250	1.846	1.824	1.765	1.635	1.600	1.279
	•300		1.969	1.865	1.702	1.598	1.272	.300	1.852	1 841	1.766	1.635	1.601	1.285
H	•350		1.970	1.864	1.701	1.605	1.279	• 350	1.858	1.849	1.767	1.641	1.611	1.288
Upper	•400 •450		1.966	1.856	1.704	1.611	1.283	• 400 • 450	1.863	1.858	1.769	1.644	1.623	1.289
D	•500		1.954	1.847	1.706	1.622	1.294	.500	1.871	1.873	1.777	1.652	1.628	1.300
	•520		1.954	1.846	1.707	1.623	1.294	• 520	1.866	1.869	1.769	1.654	1.631	1.302
	•538 •710		1.956	1.851	1.715	1.633	1.298	•538 •710	1.873	1.873	1.778	1.662	1.642	1.308
	•720		1.865	1.762	1.652	1.583	1.283	.720	1.805	1.847	1.724	1.621	1.599	1.296
	•740		1.871	1.780	1.677	1.614	1.291	• 740	1.808	1.852	1.739	1.641	1.624	1.304
	•760 •780		1.862	1.780	1.683	1.628	1.301	•760	1.793	1.852	1.742	1.650	1.644	1.315
ce	.800		1.844	1.771	1.691	1.632	1.311	.800	1.779	1 . 843	1.740	1.660	1.645	1.320
Surface	•850 •950		1.639	1.748	1.683	1.641	1.319	. 850	1.752	1.818	1.723	1.652	1.656	1.328
Su	1.000		1.601	1.373	1.627	1.557	1.289	1.000	1.594	1.673	1.409	1.566	1.580	1.305
Wing	•010		•356	.380	•379	•409	.457	.010	.018	. 359	.387	.391	.416	.467
	•030 •050		•297 •332	•352 •373	.368 .471	.476	.515 .587	•030	.082 .164	· 290	.344	. 365 . 434	.467	•507 •576
	•075		•379	.427	. 444	.520	.654	.075	• 246	.360	.413	• 438	.506	.644
	•100 •150		• 423	•469	•509	.590	•703	•100	•309	.404	. 453	.488	.571	.689
	•200		•514 •591	•557 •616	.590 .664	• 664 • 750	.769 .821	• 150 • 200	.412 .476	• 487 • 566	•539 •597	.561 .634	· 647	.757 .812
	.250		.649	.683	.726	.804	.848	• 250	.545	. 626	.666	. 694	• 789	.841
1.	•300 •350		•719 •779	•746 •790	.775 .832	.861 .912	.870 .895	• 300 • 350	• 625 • 720	696 756	•727 •773	• 744 • 804	• 846 • 899	+868 +892
ver	•400		.864	.878	.876	. 945	• 922	.400	.769	. 837	.863	.847	• 943	•918
Lower	•450		.868	.888	• 929	• 992	• 945	. 450	.849	. 854	.876	.905	. 985	.943
	•500 •520		•933 •972	• 948 • 956	.969 .981	1.025	.970 .980	•500 •520	.887 .896	• 924 • 959	• 936 • 947	• 941 • 955	1.020	4972 4982
	•540		1.033	1.022	1.035	1.044	.976	.540	.909	1.024	1.014	10014	1.044	977
	•710		1.176	1.166	1.201	1.225	1.090	•710	1.096	1.187	1.173	1.190	1.230	1.094
	•740 •760		1.096	1.063	1.199	1.164	1.049	• 740 • 760	1.107	1.108	1.071	1.190	1.172	1.055
	•780		1.151	1.137	1.157	1.188	1.045	.780	1.156	1.171	1.143	1.147	1.194	1.051
	.800 .850		1.205	1.157	1.168	1.226	1.059	. 800 . 850	1.136	1. 159	1.167	1.167	1.205	1.065
	•900		1.258	1.274	1.282	1.282	1.068	.900	1.231	1.307	1.219	1.274	1.241	1.075
	•950		1.318	1.357	1.356	1.348	1.138	• 950	1.307	1.378	1.370	1.355	1.366	1.153
	•560 •580		1.951	1.847	1 722	1.440	1 202	• 560	1.867	1.870	1.774			
er	•600		1.950	1.848	1.722	1.640	1.303	•580	1.865	1.872	1.773	1.669	1.648	1.312
Tpp	•620		1.943	1.853	1.731	1.652	1.311	.620	1.861	1.879	1.782	1.679	1.659	1.318
ce	•640		1.940	1.857	1.740	1.665	1.317	.640	1.853	1.881	1.792	1.68	1.669	1.324
rfa	•660 •680		1.942	1.907	1.762	1.684	1.329	• 660 • 680	1.855	1.893	1.860	1.710	1.686	1.334
surface: Upper	•690		1.954	1.953	1.860	1.755	1.344	• 690	1.842	1.922	1.911	1.799	1.757	1.346
Spoiler	•560		1.821	1.714				• 560		1.801	1.668			
od	.580 .600		1.823	1.719	1.616	1.550	1.265	.580		1.803	1.671	1.586	1.569	1.275
Sr	•620		1.833	1.727	1.623	1.557	1.269	•600 •620		1.805	1.672	1.586	1.572	1.281
Lo	.640		1.826	1.722	1.616	1.551	1.263	. 640		1.799	1.674	1.586	1.567	1.274
	•660 •680		1.829	1.724	1.626	1.564	1.269	• 660 • 680		1.806	1.688	1.597	1.578	1.279
	•690		1.831	1.733	1.632	1.571	1.277	.690		1.814	1.693	1.599	1.586	1.289
	•560		1.820	1.714	1.615	1.547	1.260	•560		1.806	1.673	1.586	1.565	1.274
10	•580 •600		1.828	1.719	1.614	1.548	1.264	• 580 • 600		1.804	1.674	1.583	1.569	1.275
] .:	•620		1.834	1.721	1.619	1.554	1.267	.620		1.807	1 . 683	1.586	1.571	1.277
ace	•640 •660		1.834	1.731	1.625	1.561	1.268	• 640 • 660		1.808	1.685	1 4 5 9 3	1.575	1.279
surface: Upp	.680		1.836	1.736	1.635	1.566	1.268	•680		1.810	1.685	1.598	1.580	1.280
or S	•688		1.830	1.729	1.630	1.561	1.269	.688		1.811	1.687	1.598	1.579	1.282
Deflector	•560		•941 •974	1.011	1.048	.990 1.021	.899	•560	1.005	• 934	1.004	1.027	.988	•900
efle	.600		1.025	1.022	1.058	1.116	•969 •9 <del>94</del>	•580	• 967 • 974	• 969 1• 022	1.018	1.037	1.021	•972
Def	•620		1.047	1.026	1.066	1.100	•998	•620	• 992	1.046	1.023	1.051	1.103	1.002
L	•640 •660		1.072	1.074	1.089	1.122	1.013	.640 .660	1.003	1.076	1.031	1.063	1.123	1.016
	.680		1.085	1.095	1.102	1.179	1.065	• 680	1.137	1.090	1.077	1.077	1.122	1.063
	.688		1.107	1.080	1.126	1.117	1.035		1.188	1.113	1.082	1.115	1.119	1.038
					-									

TABLE 4 .- PRESSURE COEFFICIENTS - Concluded

 $\left[ \delta_{s} = -0.010 \, c; \, \delta_{d} = -0.00000 \, c \right]$ 

 $\alpha = 23$ 

a = \* 0

_		$\alpha = 23$ Pressure coefficient $C_p$ at $\frac{V}{V_p/2} = -$							Pressure coefficient $C_p$ at $\frac{V}{V_p/2} = -$						
x/c	x/c	-	ressure	T		6/2		x/c			_	T	b/2		
		0.15	0.30	0,50	0.70	0.85	0.97		0.15	0.30	0.50	0.70	0.85	0.9	
	.000	1.053	1.377	1.233 1.783	1.791	1.333 1.571	1.284	.000							
	.010	1.723	1.745					•010							
	•030	1.700	1.724	1.761	1.667	1.561	1.275	.050							
	•050 •075	1.694	1.719	1.726	1.667	1.561	1.276	.075							
	.100	1.697	1.728	1.723	1.667	1.559	1.280	.100							
	.150	1.706	1.736	1.724	1.665	1.562	1.280	.150							
	.200	1.697	1.738	1.722	1.661	1.564	1.287	• 200							
	•250	1.709	1.746	1.723	1.663	1.568	1.290	• 250							
	•300	1.714	1.758	1.727	1.667	1.574	1.296	• 300							
H	•350	1.725	1.769	1.729	1.672	1.579	1.300	• 350							
Upper	•400	1.740	1.778	1.731	1.677	1.585	1.301	• 400 • 450							
5	• 450	1.753	1.803	1.738	1.682	1.589	1.312	.500							
	•500 •520	1.767	1.806	1.737	1.688	1.598	1.310	•520							
	.538	1.770	1.808	1.749	1.697	1.607	1.317	•538							
	.710	1.785	1.797	1.682	1.644	1.569	1.305	.710							
	.720	1.785	1.807	1.700	1.658	1.573	1.305	• 720							
- 1	•740	1.783	1.815	1.716	1.678	1.595	1.313	•740							
	•760	1.781	1.816	1.719	1.687	1.609	1.320	• 760							
	•780	1.783	1.815	1.721	1.690	1.614	1.325	• 780 • 800							
	.800	1.781	1.818	1.718	1.695	1.624	1.336	.850							
	.850 .950	1.779	1.749	1.661	1.667	1.560	1.319	. 950							
	1.000	1.656	1.704	1.432	1.619	1.284	1.176	1.000							
			-												
	.010	.016	.360	.394	•409	.416	• 480	.010							
	.030	• 076	.281	•341	•373		.508	• 030							
	.050	• 156	• 305	•354 •399	• 449 • 436	• 448 • 484	.568 .641	.075							
	.075	. 233	•341 •383	•438	•484	• 548	.687	.100							
	•100 •150	• 292 • 395	• 468	•521	•565	.623	.754	.150							
	•200	• 454	.546	.576	.634	.708	.812	. 200							
	.250	•521	.605	.644	.700	.768	.840	. 250							
	.300	.605	.674	.709	.750	.814	.865	.300							
FH	.350	.693	.737	.757	.813	.873	.892	. 350							
Lower	•400	• 745	.815	.846	.858	.918	.918	• 400							
Q	•450	·825	.837	.860	.915	.960	.944	• 450							
	•500	• 866	•906	•927	• 957	• 993	•969 •985	•500							
- 1	,520	•879	• 944	•934	•974	•999	.978	•520							
	.540	• 892	1.007	1.002	1.027	1.018	1.099	.710							
	•710 •740	1.087	1.103	1.065	1.213	1.146	1.058	• 740							
1	.760	1.115	1.158	1.155	1.158	1.140	1.066	•760							
	.780	1.158	1.173	1.141	1.174	1.177	1.057	.780							
	.800	1.140	1.158	1.165	1.191	1.184	1.075	.800							
	.850	1.175	1.249	1.217	1.239	1.222	1.084	.850							
	.900	1.255	1.321	1.292	1.312	1.277	1.109	• 900							
- 1	.950	1.353	1.406	1.379	1.396	1.352	1.165	• 950							
				1 7/0				•560							
	•560 •580	1.770	1.810	1.743	1.706	1.615	1.320	.580							
er	.600	1.780	1.823	1.750	1.707	1.621	1.326	.600							
Upper	.620	1.782	1.826	1.756	1.709	1.626	1.330	•620							
G.	.640	1.784	1.829	1.762	1.721	1.633	1.335	• 640							
lac	.660	1.789	1.849		1.739	1.650		• 660							
surface:	•680	1.785	1.864	1.828	1.782	1.679	1.346	.680 .690							
	•690	1.787	1.883	1.881	1.829	1.717	1.500								
Spoiler	•560		1.760	1.647				.560							
01	•580		1.763	1.650	1.622	1.546	1.283	•580							
Sp	•600		1.762	1.651	1.623	1.549	1.288	•600							
BO	•620		1.763	1.654	1.627	1.549	1.283	•620							
Span	•640		1.763	1.652	1.624	1.546	1.285	.640 .660							
	•660		1.769	1.664	1.635	1.555	1.284	680							
	•680		1.772	1.660	1.634	1.563	1.296	690							
	•690		1.779	10012	1,040	1,000	2.275								
	•560		1.771	1.653	1.619	1.543	1.285	•560							
	•580		1.765	1.654	1.621	1.545	1.287	•580							
per	.600		1.766	1.654	1.621	1.546	1.287	•600							
d	•620		1.764	1.661	1.625	1.548	1.287	•620							
CE	•640		1.769	1.661	1.628	1.552	1.289	• 640 • 660							
rto	•660		1.768	1.666	1.634	1.560	1.289	.680							
Sm	•680		1.770	1.668	1.637	1.557	1.290	.688							
ы	•688		10112	19000	1.000	10001									
to	. 540	.000	,010	.002	1.044	.963	.901	.560							
Deflector surface:	•560	• 988 • 943	918	.993 .965	1.015	• 993	.901 .973	• 560 • 580							
ef	•600	• 955	1.012	1.010	1.062	1.087	.995	•600							
Def	•620	• 980	1.040	1.015	1.071	1.076	1.001	• 620							
I,	8040	• 990	1.067	1.023	1.085	1.096	1.019	•640							
	•660	1.042	1.084	1.069	1.098	1.099	1.054	•680							
	•680 •688	1.125	1.084	1.090	1.138	1.093	1.040	.688							
	1 4088	1.219	Telol	79010	74730	10025	1000								

TABLE 5 .- PRESSURE COEFFICIENTS

 $\delta_{s} = -0.020 c; \delta_{d} = -0.00000c$ 

				α = <b>-4</b> <sup>0</sup>		_					$\alpha = -2^{\circ}$			
	x/c		Pressure	coefficien	t Cp a	$t \frac{y}{b/2} = -$	_	11/0	1	Pressure o	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	A/C	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Wing Surface: Upper	.500 .520 .538 .710 .720 .740 .760 .780 .850 .950 1.000	1.207 .698 .835 .894 .901 .976 .993 .027 1.023 1.038 1.050 1.047 1.056 1.034 1.066 1.127 1.117 1.120 1.127 1.120 1.127 1.120 1.127 1.120 1.127 1.128 1.059 1.059	2.275 .609 .795 .852 .895 .931 .958 .985 .998 1.018 1.019 1.016 .978 .952 .940 1.393 1.376 1.393 1.376 1.311 1.011	3.556 .540 .730 .809 .859 .901 .974 .986 1.011 1.019 .999 .976 .951 .338 1.405 1.414 1.388 1.388 1.405		2.052 .419 .676 .761 .829 .874 .949 .970 .994 1.029 1.031 1.043 .963 .928 .937 1.331 1.332 1.331 1.332 1.331 1.270 1.270	.750 .466 .656 .732 .774 .804 .840 .851 .869 .874 .880 .870 .829 .829 .820 1.001 1.026 1.037 .977 .847 .648 .555	.000 .010 .030 .050 .075 .100 .200 .250 .3300 .350 .400 .450 .520 .520 .770 .770 .7760 .780 .880 .950 .950	*326 *969 1.016 1.041 1.024 1.039 1.067 1.102 1.102 1.102 1.103 1.107 1.107 1.107 1.107 1.107 1.137 1.149 1.153 1.140 1.148 1.140 1.148 1.100 1.079 1.100	*884 *953 1.021 1.029 1.045 1.069 1.069 1.069 1.076 1.076 1.076 1.080 1.061 1.029 1.429 1.429 1.429 1.428 1.429 1.428 1.	1.631 .810 .929 .970 1.001 1.023 1.046 1.059 1.064 1.077 1.080 1.072 1.007 .917 .917 1.419 1.415 1.439 1.419 1.439 1.439 1.439 1.445 1.082 .883 .624		1.192 .640 .858 .918 .970 .993 1.059 1.052 1.064 1.081 1.1073 1.077 .994 .963 .988 1.371 1.356 1.351 1.357 1.356 1.351 1.344 1.311 1.174 .927 .838	*148 *698 *826 *858 *868 *887 *970 *901 *905 *898 *887 *87 *870 *801 *801 *801 *801 *801 *801 *801 *80
Lower	.030 .050 .075 .100 .150 .200 .250	1.281 1.229 1.184 1.189 1.239 1.190 1.197 1.282 1.313 1.348 1.372 1.354 1.338 1.354 1.319 1.303 1.276 1.234 1.234	1.504 1.406 1.357 1.3369 1.362 1.369 1.348 1.366 1.369 1.406 1.335 1.409 1.375 1.409 1.238 1.224 1.238 1.205 1.189	1.649 1.531 1.507 1.411 1.417 1.339 1.346 1.352 1.359 1.293 1.300 1.320 1.300 1.320 1.159 1.185 1.185 1.146 1.012		1.590 1.408 1.394 1.295 1.288 1.258 1.225 1.225 1.220 1.189 1.172 1.208 1.172 1.093 1.140 1.081 1.052	1.150 1.106 1.060 1.060 1.060 1.095 943 1.962 1.960 1.955 1.930 1.930 1.930 1.956 1.950 1.956 1.	030 030 075 100 150 220 250 350 450 520 540 710 740 780 880 850 990	1.073 1.065 1.054 1.071 1.141 1.104 1.122 1.216 1.225 1.291 1.325	1.222 1.189 1.187 1.195 1.246 1.274 1.263 1.306 1.347 1.289 1.311 1.331 1.331 1.331 1.331 1.331 1.331 1.331 1.331	1.368 1.317 1.352 1.259 1.307 1.243 1.265 1.290 1.262 1.315 1.256 1.270 1.266 1.270 1.266 1.270 1.264 1.270 1.264 1.270 1.264 1.270 1.265 1.270 1.266 1.293 1.234 1.265 1.270 1.266 1.293 1.266 1.293 1.266 1.293 1.266 1.293 1.266 1.293 1.266 1.293 1.266 1.293 1.266 1.293 1.266 1.293 1.266 1.293 1.266 1.293 1.266 1.293 1.266 1.293		1.428 1.259 1.296 1.219 1.242 1.209 1.200 1.188 1.172 1.161 1.207 1.189 1.099 1.099 1.090 1.090 1.098	1.254 1.016 1.0056 1.0022 9977 9957 9957 948 9948 9948 9941 9938 9441 9938 9484 8846 8846 8855
r surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.086 1.074 1.079 1.090 1.080 1.128 1.118	.965 1.058 1.071 1.122 1.148 1.218 1.276 1.318	.978 1.034 1.085 1.117 1.157 1.195 1.273 1.320		1.009 1.100 1.139 1.177 1.228 1.266 1.341	.846 .873 .887 .894 .923 .936	.560 .580 .600 .620 .640 .660 .680	1.130 1.113 1.117 1.125 1.114 1.163 1.148 1.158	1.002 1.095 1.110 1.157 1.183 1.246 1.309 1.345	1.002 1.066 1.120 1.153 1.192 1.234 1.306 1.353		1.038 1.124 1.157 1.198 1.255 1.298 1.374	.861 .897 .914 .934 .957 .988
Spoiler	•560 •580 •600 •620 •640 •660 •680 •690		1.406 1.406 1.406 1.406 1.404 1.406 1.407 1.402	1.381 1.389 1.392 1.395 1.394 1.381 1.386		1.319 1.330 1.328 1.330 1.330 1.330	1.031 1.043 1.043 1.039 1.035 1.030	.560 .580 .600 .620 .640 .660 .680		1.432 1.429 1.428 1.430 1.428 1.429 1.429	1.408 1.409 1.418 1.422 1.415 1.413 1.414		1.337 1.340 1.338 1.336 1.339 1.342 1.345	1.079 1.078 1.076 1.073 1.076 1.076
or surface: Upper	•560 •580 •600 •620 •640 •660 •680 •688		1.400 1.406 1.409 1.406 1.410 1.410 1.406 1.404	1.375 1.387 1.393 1.381 1.398 1.392 1.392		1.300 1.317 1.328 1.324 1.336 1.334 1.332 1.329	1.010 1.030 1.043 1.036 1.047 1.032 1.037	.560 .580 .600 .620 .640 .660 .680		1.430 1.432 1.430 1.430 1.433 1.431 1.430	1.404 1.414 1.415 1.415 1.422 1.419 1.419		1.327 1.335 1.332 1.332 1.338 1.338 1.337	1.063 1.080 1.076 1.073 1.074 1.078 1.078
Deflector		1.436 1.370 1.354 1.348 1.338 1.355 1.385	1.314 1.313 1.331 1.332 1.332 1.302 1.301 1.305	1.273 1.243 1.262 1.245 1.228 1.217 1.237 1.219		1.212 1.128 1.158 1.164 1.143 1.202 1.100	.820 .916 .934 .933 .940 .972 .962	.580 .600 .620 .640 .660	1.407 1.333 1.312 1.309 1.302 1.323 1.371 1.126	1.271 1.274 1.301 1.303 1.305 1.277 1.276 1.284	1.240 1.210 1.235 1.219 1.205 1.198 1.222 1.203		1.202 1.112 1.158 1.164 1.146 1.217 1.104	.829 .895 .906 .909 .913 .943 .950

TABLE 5 .- PRESSURE COEFFICIENTS - Continued

[6.=-0.020c; 8d=-0.0000c]

T		F		coefficient	C <sub>p</sub> a	t <u>y</u> = -			Pi	ressure co	efficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
+	-		0,00	0,00										
	.000	•311	.489	•159		.637	•288	.000	.348	• 268	. 252		•309	. 4
	.010	1.351	1.414	1.284		1.079	• 944	.010	1.862	2.100	1.951		1.880	103
	•030	1.224	1.274	1.204		1.095	•954	.030	1.481	1.613	1.565		1.447	1.0
	•050	1.230	1.214	1.181		1.116	• 942	• 050	1.417	1.458	1.443		1.334	1.0
	•075	1.156	1.187	1.161		1.129	•916	• 075	1.309	1.378	1.345		1.288	09
	.100	1.160	1.193	1.168		1.124	• 922	•100	1.293	1.295	1.289		1.276	09
	.150	1.169	1.165	1.155		1.157	•920	•150 •200	1.249	1.260	1.261		1.225	. 9
	.200	1.158	1.155	1.148		1.132 1.124	•914 •907	•250	1.253	1.237	1.233		1.202	09
	.250	1.177	1.144	1.137		1.136	.910	•300	1.224	1.233	1.239		1.194	09
	•300	1.155	1.154	1.156			911	• 350	1.222	1.219	1.212		1.194	.9
2020		1.158	1.147	1.137		1.151	.899	• 400	1.222	1.193	1.188		1.149	. 9
4		1.161	1.127	1.124		1.118	900	. 450	1.203	1.172	1.148		1.134	09
		1.149	1.115	1.092		1.018	.859	.500	1.201	1.112	1.102		1.052	. 8
	•500	1.151	1.062	1.023		• 986	.846	.520	1.174	1.080	1.073		1.020	. 8
	•520	1.121		.986		1.003	.835	.538	1.197	1.099	1.021		1.028	a 8
		1.151	1.057	1.426		1.382	1.108	.710	1.203	1.456	1.420		1.378	101
1	.710	1.174	1.443	1.426		1.374	1.096	.720	1.215	1.453	1.420		1.373	1.00
	•720	1.185	1.440	1.420		1.370	1.091	.740	1.210	1.451	1.426		1.369	101
	•740	1.187	1.436	1.446		1.368	1.053	.760	1.197	1 0 447	1.430		1.365	100
	•760	1.171	1.395	1.428		1.363	.972	.780	1.198	1 . 425	1.415		1.367	100
	•780	1.178	1.323	1.368		1.337	.900	.800	1.171	1.355	1.376		1.344	
	.800 .850	1.149	1.084	1.160		1.186	.823	. 850	1.138	1.135	1.222		1.226	0.1
	.950	1.091	1.044	1.004		.970	.800	. 950	1.097	1.061	1.034		0999	0
	1.000	1.106	1.059	•736		944	.803	1.000	1.100	1.066	. 829		•975	
	.010	.860	•932	1.025		1.236	• 998	•010	.605	• 642	·674 ·817		.787	
1	.030	894	•987	1.076			• 984	.030	•706	• 764	.880		.950	
ı	.050	. 923	1.011	1.097		1.220	.963	.050	.769	.831			.933	
	.075	.942	1.042	1.170		1.102	0955	.075	·812	. 893	0953		1.010	
	.100	.968	1.071	1.117		1.168	• 942	.100	.853	0941	1.060		1.001	
	.150	1.057	1.149	1.186		1.119	•929	• 150	• 951	1.039	1.036		1.064	
	.200	1.032	1.187	1.145		1.162	• 942	• 200	• 947	1.098	1.089		1.078	
	.250	1.057	1.189	1.179		1.159	.931	• 250	•978	1.109	1.130		1.093	
	.300	1.160	1.224	1.215		1.159	•927	.300	1.084	1.153			1.110	
	.350	1.214	1.248	1.195		1.167	•923	• 350	1.140	1.200	1.122		1.115	
É	.400	1.246	1.294	1.259		1.162	.928	. 400	1.180	1 • 236	1.147		1.123	
PAGE	.450	1.288	1.236	1.204		1.164	.928	o 450	1.229	1.186	1.175		16118	
1	.500	1.273	1.269	1.228		1.155	.921	4500	1.222	1.221	1.178		1.107	
	.520	1.259	1.288	1.227		1.137	.931	• 520	1.210		1.215		1.157	
	.540	1.273	1.332	1.255		1.188	•912	• 540	1.225	1 294	1.187		1.119	
	.710	1.298	1.311	1.214		1.137	.931	• 710 • 740	1.266	1.289	1.111		1.084	
	.740	1.275	1.197	1.130		1.089	.899	.760	1.238	1.196	1.141		1.126	
	.760	1.266	1.217	1.158		1.145	. 884	.780	1.255	1.186	1.110		1.075	
	•780	1.275	1.202	1.130		1.086	.878 .873	.800	1.218	1.151	1.103		1.067	
	.800	1.242	1.166	1.119		1.075	.863	850	1.186	1.155	1.085		1.052	
-	.850	1.206	1.165	1.100		1.057	.855	.900	1.167	1.125	1.067		1.032	
	•900 •950	1.182	1.031	1.075		1.037 1.012	.850	. 950	1.140	1.085	1.045		1.018	
				1.039				.560	1.211	1.080	1.078			
	•560	1.172	1.030	1.092		1.051	.861	.580	1.194	1.149	1.123		1.067	
G l	•580		1.135	1.141		1.140	.895	.600	1.195	1.174	1.168		1:148	
Upper	•600	1.158	1.180	1.175		1.178	.911	.620	1.201	1.213	1.201		1.184	
	.620 .640		1.213	1.210		1.216	.936	. 640	1.190	1.244	1.233		1.223	
	e660		1.268	1.252		1.267	.968	. 660	1.227	1.297	1.275		1.275	
	.680		1.331	1.323		1.312	1.003	. 680		1.355	1.334		1.318	10
	•690		1.367	1.368		1.384	1.047	• 690		1.388	1.376		1.381	1
	•560		1.440	1.420				.560		1.455	1.415		1.345	1
	•580		1.442	1.421		1.348	1.083	.580		1.456	1.415			1
Lower	•600		1.439	1.427		1.344	1.084	•600		1 . 456	1.420		1.340	1
BC	•620		1.442	1.428		1.344	1.086	· 620		1.456	1 0 421		1.345	1
ĭ	.640		1.439	1.424		1.343	1.085	.640		1 • 454	1.417		1.340	1
	.660		1.443	1.425		1.349	1.090	•660		1.457	1.420		1.348	1
	.680		1.441	1.423		1.351	1.089	.680		1.453	1.419		1.355	1
	•690		1.442	1.425		1.357	1.095	• 690		1.455	18720			
	ø560		1.444			1.343	1.060	• 560		1.454	1.412		1.340	1
L	•580		1.443	1.421		1.346	1.079	• 580		1.456	1,414		1.339	1
Be	.600		1.443			1.343	1.085	e 620		1.454	1.420		1.342	1
Upper	e620		1.443			1.344	1.083	. 640		1.456	1.418		1.346	1
	ø640		1.443	1.430		1 . 345	1.084	. 660		1.456	1.420		1.343	1
	•660		1 . 444	1.429		1.344	1.081	.680		1.455	1.421		1.345	1
	•680 •688		1.441			1.345		. 688		1 • 45 3			1.343	1
			1.230	1.203		1.188	.823	• 560	1,331	1. 187	1.159		1.161	
Wer	•560 •580		1.239	1.178		1.093	.880	.580	1 . 255	1.198	1.135		1.069	
er	.600	1.280	1.266				.895		1.238				1.123	
Lower	.620		1.272	1.191		1.149			1.241				1.137	
L	9640		1.278	1.175		1.159			1.235				1.116	
	-660	1.303	1.249	1.169		1.142			1.268				1.195	
	•680			1.199		1.089			1.330				1.077	
		3 1.116	1.262	1.178										

TABLE 5 .- PRESSURE COEFFICIENTS - Continued

 $\delta_{s} = -0.020 c; \delta_{d} = -0.00000c$ 40 Pressure coefficient Cp at Pressure coefficient  $C_p$  at  $\frac{y}{b/2} =$ x/c 0.30 0.50 0.70 0.85 0.97 0.15 0.70 0.85 0.97 0.15 1.160 . 805 . 426 .000 .638 1.890 1.795 1.455 .010 4.418 2.756 1.915 1.694 1.543 1.440 .030 1.828 2.195 .030 .050 .075 1.664 1.766 .050 1.654 1.228 1.849 2.508 1.862 1.653 2.166 1.820 1.638 1.266 1.588 1.183 1.632 1.503 1.414 1.618 .100 1 . 449 1.502 1.540 1.061 .100 1.592 1.938 1.766 1.401 1.450 1.517 1.656 1.576 1.009 . 150 1 . 685 1.102 1.533 .200 1.353 .988 .200 1.350 ·250 1.322 1.351 1.316 .978 1.423 1 . 440 1 . 494 1.486 1.066 1.444 1.061 1.369 1.380 1 . 435 1.268 .300 1.311 1.321 •350 •400 •450 . 350 1.285 1.280 1.243 .967 1.352 1.339 1.373 1.337 1 . 286 1.258 1.251 1.206 .954 1.299 1.322 1 4 3 5 5 1.039 . 450 1.307 1.182 1.041 .949 1.260 1.233 1.214 •500 1.257 1.175 1.177 1.129 .905 .500 1.296 1.221 1.238 1.278 .993 ·974 1.161 1.106 .895 .520 1.265 1.197 1.227 1.266 1 . 225 1.153 1.261 •538 •710 1.178 1.203 1.247 1.126 1.125 .885 .538 1.286 1.229 1.440 •710 •720 1.256 1.377 1.093 1.498 1.433 1.389 1.111 1.105 1.487 1.385 .720 1.240 .740 1.234 1.484 1.466 1.388 1.087 .740 1.255 1.500 1.439 1.284 1.097 1.346 1.472 1.233 1.088 1.480 .760 1.217 .780 1.351 1.080 .780 1.218 1.377 1.347 1.298 1.031 1.236 1.189 .800 1.237 1.246 .984 1.211 1.180 1.175 1.056 .800 1.187 1.246 1.028 1.075 .850 1.153 1.100 1.117 1.102 .949 .850 1.172 1.116 1.102 .950 1.107 1.050 .880 . 950 1.085 1.055 .921 1.009 1.000 1.079 1.056 1.000 1.104 1.066 .878 .872 1.106 .900 Wing .476 .604 .676 .754 •553 •686 •741 .010 .030 • 409 • 553 •494 •620 •554 •687 .547 •743 •776 •848 .808 .050 .075 •634 •703 •762 •838 .525 .792 . 050 . 600 .834 .075 .601 .662 .681 .794 .100 .100 .752 .827 .870 .901 .856 .738 .150 • 928 .945 .150 •772 . 858 .958 .877 . 834 . 875 .903 .853 . 907 . 898 .960 1.004 .200 .868 .957 .887 1.017 1.022 .250 1.033 .896 . 250 .847 . 959 . 952 .993 .885 .910 .957 1.004 1.020 .898 .300 1.019 1.082 .300 • 350 • 400 • 450 .350 1.085 1.115 1.066 1.065 .904 1.031 1.058 1.012 1.043 .896 1.071 1.090 1.063 1.123 .902 .400 .450 1.177 1.135 1.102 1.088 .911 1.086 1.091 1.176 1.173 1.135 .913 .500 1.131 1.131 1.093 1.083 4910 .520 1.124 1.156 .925 .520 1.163 1.201 1.139 1.247 .916 .956 • 540 1.136 .540 1.178 1.174 1.132 1.205 1.133 1.122 .916 1.114 ·959 1.168 •710 1 . 235 1.066 1.218 1.148 1.093 1.072 .909 .740 1.194 1.123 •760 •780 1.189 1.120 1.123 .898 1.152 1.098 1.131 .906 1.163 1.096 .780 1.234 .887 1.193 1.090 .800 1.128 1.065 .887 . 800 1.169 1.115 1.068 1.078 .897 1.137 1.055 . 850 1.144 1.061 1.074 ·884 .850 .900 1.152 1.113 1.066 1.042 . 864 . 900 1.139 1.104 1.051 1.066 .950 1.046 1.041 . 867 . 950 1.124 1.078 1.036 1.068 .880 •560 •580 1.235 1.250 4978 1.258 .989 •600 •620 1.238 1.219 1.223 1.187 .924 .600 1.267 1.249 1.260 940 ·620 •640 1.216 1.269 1.280 1.272 1.262 4998 1.283 1.301 1.273 1.008 .640 1.230 1.283 1.266 1.245 1.255 1.331 1.355 1.028 1.261 1.299 1.285 •982 .660 1.281 1.310 1.294 1.269 1.352 1.320 1.009 .680 1.350 1.309 .680 1.246 1.383 .690 1.256 1.415 1.386 1.375 1.048 .690 1.277 1.428 1.351 1.070 1.422 1.423 1.425 1.423 1.423 •560 •580 1.482 1.478 1.480 •560 •580 •600 1.484 1.371 1.359 1.062 1.486 .600 1.436 1.362 1.068 1.369 1.090 1.479 1.437 1.371 .620 .620 1.089 1.359 1.068 1.484 1.065 .640 1.082 .660 1.478 1.435 1.372 1.085 •660 1.486 1 . 425 1.378 1.070 1.074 1.424 1.375 .680 .690 1.482 1.434 1.374 1.088 . 690 1.492 1.363 1.080 1.365 1.372 1.372 •560 •580 •600 1 • 486 1 • 486 1 • 486 .560 1.478 1.421 1.421 1.423 1.419 1.058 1.065 1.063 1.067 •580 •600 •620 1.480 1.482 1.482 1.356 1.433 1.488 1.370 1.086 .620 1.480 1.436 •640 1.487 1 • 424 1.065 1.372 1.087 1.363 1.069 .660 1.369 1.085 1.375 .680 1.479 1.439 1.371 1.083 .680 1.487 1.427 1.386 1.064 1.435 .688 1.373 1.083 .688 1.489 1 . 424 1.381 1.066 Deflector •560 •580 •600 •620 •640 •660 •560 •580 1.280 1.142 1.084 .809 .875 1.044 .870 1.043 •600 •620 1.197 1.194 1.134 .894 1.160 1.158 1.099 .892 1.101 .896 1.168 1.090 1.102 .894 1.114 1.099 1.179 .640 1.198 1.212 1.115 .903 1.164 1.111 1.233 1.115 1.200 1.080 1.102 .660 1.184 .940 1.155 .943 1.192 .680 .688 1.109 1.204 1.130 1.068 .923 . 688 1.108 1.174 1.101 1.074 .923

TABLE 5 .- PRESSURE COEFFICIENTS - Continued

 $\delta_{\rm S} = -0.020 \, \rm c; \, \delta_{\rm d} = -0.00000 \, c$ 

 $\alpha = 8^{\circ}$ 

Ср  $\frac{y}{b/2} = \frac{y}{b/2} = -$ Pressure coefficient Pressure coefficient Cp at x/c x/c 0.15 0.70 0.85 0.50 0.97 0.15 0.30 0.50 0.70 0.85 0.97 1 • 270 2 • 675 2 • 667 .874 2.031 2.021 .000 1.067 .723 .789 .849 .000 2.088 .010 44471 2.684 2.034 1 . 624 1.313 .010 4.628 2 . 302 2.713 2.030 1.620 4 . 695 1.598 1.260 2 . 658 1.599 1.255 .050 2 . 103 2.737 2.031 1.618 1.270 . 050 3.503 2.016 .075 1.836 2.771 2.017 1.624 .075 2.177 2 . 660 2.007 .100 1 . 746 2.761 1.998 1.620 1.239 .100 1.921 2.708 1.993 1.596 1.248 2.597 .150 1 . 622 1.961 1.606 1.218 . 150 1.604 1.522 .200 1.946 1.583 .200 1.630 1.200 2.594 1.949 1.607 1 . 237 1.606 .250 1 487 1.565 1.924 1.558 1.191 . 250 1.578 2.281 1.943 1.233 .300 1 . 423 1.528 .300 1.946 1.941 1.510 1.223 1.662 .350 1.401 1.248 1.814 1.498 1.173 . 350 1.479 1.919 1.595 1.219 .400 .450 1.377 1.229 1.721 1.464 1.162 · 400 • 450 1.454 1.874 1.630 1.229 1.159 1.373 1.568 1.201 1.403 1.753 .500 1.327 1.171 1.536 1.403 1.137 .500 1 . 274 1.550 1.181 1.386 1.123 .520 1.306 .520 1. 251 1.538 .538 1.315 1.185 1.511 1.376 1.118 4538 1.391 1.293 1.734 1.530 1.165 .710 1.285 1.512 1.447 1.397 1.129 •710 •720 1.553 1.502 1.409 •720 1.280 1.512 1.369 1.322 1.549 1.487 1.129 •740 •760 •780 .740 1 . 274 1.506 1.418 1.304 1.113 1.310 1 . 536 1.472 1.393 1.493 .760 1.258 1.276 1.104 1.288 1.478 1.433 1.404 1.383 1.385 1.117 1.383 .780 1.248 1.260 1.262 1.102 1.282 1.119 .800 1.222 1.363 1.218 1 . 242 1.089 . 800 1.108 .850 1.099 1.218 . 850 1.165 1.197 1.109 1.332 1.356 1.100 996 1.089 1.193 1.028 .950 1.108 1.057 1.089 1.132 . 950 1.000 1.108 958 1.112 1.205 . 985 ing 499 .513 .637 .010 .441 0489 0611 .030 .296 .432 .050 a 397 .514 .575 4678 .698 .050 .319 .450 .526 •514 •587 •639 .607 .738 .780 · 487 •764 •797 .075 .591 •662 •705 .075 ·414 · 657 .785 .100 .651 .100 . 586 •604 •666 •729 .150 .662 .718 •797 •839 .850 .833 . 150 . 815 . 825 0915 .861 . 200 0769 .777 .871 . 855 .250 .771 .877 .896 . 949 .872 . 250 . 822 .837 .915 .848 .300 . 944 .886 .300 . 891 .812 . 893 .350 . 949 .990 .967 1.014 .896 . 350 .898 . 944 . 916 1.012 .890 •400 •450 . 490 . 997 1.060 1.044 1.033 .905 1.018 996 .901 1.058 1.022 1.012 1.028 1.051 .909 . 992 1.034 .908 45.00 1.068 1.076 1.058 1.068 .917 .500 1.032 1.042 1.022 4919 1.070 .520 1.104 1.059 1 . 064 935 1.030 1.045 . 936 .926 .980 • 540 • 710 1.069 1.101 .540 1.073 1.151 1.105 1.107 1.041 1 . 123 . 930 1.162 1.137 1.174 . 984 .944 .936 .927 .740 1 . 155 1.087 1.057 1.087 .938 .740 1.341 1.082 1.044 1.103 .760 1.149 .760 1.094 .928 1.109 1.086 1.112 1.067 1.094 .917 1.162 1.106 1.060 1.116 .800 1 . 135 1.083 1.067 1.091 . 922 .800 1.123 1.079 1.064 1.100 1.063 1.092 1.069 .850 1.114 .914 . 850 1.107 1.100 1.130 .926 • 900 • 950 938 .900 1.110 1.082 1.057 1.095 .920 1.109 1.090 1.077 1 4 1 4 5 1.104 1.055 1.050 .928 1.103 1.065 1.082 1 . 164 .560 .580 1.704 1.662 1.644 1.620 1.181 .580 1.302 1.218 1.516 1.159 1.504 1.497 1.481 1.486 .600 1.298 1.227 1.435 1.358 1.115 .600 .620 1.357 1.257 1.153 .620 1.267 1.111 surface: 1.303 1.565 .640 1.287 1.290 1.386 1.342 1.107 .640 1.336 1.142 .660 1.306 1.333 1.381 1.111 . 660 1.356 1 . 354 1.553 1.137 .680 . 680 1.394 1.342 1.104 1.337 1.418 1 4 5 2 7 1.482 1.182 .690 1.298 1.435 1.403 1.366 1.114 . 690 1 . 455 1.514 Spoiler 1.500 1.497 1.502 1.421 •560 •580 1.539 1.544 1.549 1.379 1.080 1.470 .600 1 . 424 1.370 1.071 .600 1.383 1.084 .620 1.504 1.427 1.372 1.077 .620 .640 .660 1.554 1.473 1.388 1.089 .640 1.499 1.379 1.073 1.391 1.089 1.428 1.404 .660 1.503 1.399 1.080 1.555 1.503 1.402 1.087 1.552 1.100 .690 1.504 1 . 426 1.095 . 690 1.558 1.475 1.410 1.105 1.066 1.067 1.071 1.419 1.421 1.423 • 560 • 580 • 600 1.539 1.546 1.553 1.465 1.464 1.468 1.463 .560 1.495 1 4 3 5 7 -580 1.501 1.376 .600 1.084 .620 1.504 1.423 1.367 1.074 .620 1.555 1.380 1.084 .640 1.503 1.427 1.377 1.077 • 640 • 660 1.557 1.472 1.393 1.090 .660 1.501 1.392 1.079 1.555 1.404 1.090 .680 1.500 1.424 1.080 . 680 1.476 .688 1.501 1.403 1.076 6688 1.550 1.426 1.409 1.089 Deflector Lower •560 •580 1.175 1.054 1.123 ·823 .560 .580 1.137 1.027 1.026 ·824 1.046 .600 1.104 1.113 1.078 .909 .600 1.073 1.091 1.052 .914 1.090 .620 1.093 .620 •926 •968 •975 1.103 1.087 1.103 .640 1.114 1.136 1.065 .921 . 640 1.117 1.042 • 660 • 680 1.098 1.047 0660 1.151 .962 .680 1.220 1.126 1.102 1.179 .968 1.197 1.080 1.187 688 1.123 1.137 1.087 1.075 .939 . 688 1.101 1.123 1.070

TABLE 5 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.020 \text{ c}; \delta_{d} = -0.00000 \text{ c}\right]$ 

~ = 12 °

a = 14 0

				α = 12 0				_			α = 14			
	x/c		Pressure	coefficient	C <sub>p</sub> at	$t \frac{y}{b/2} = $	_	x/c	]	Pressure	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	-
		0.15	0.30	0.50	0.70	0.85	0.97	2/0	0.15	0.30	0.50	0.70	0.85	0.97
	•000	1.389	1.376	•960		• 955	1.082	.000	1.142	1.354	1.079		1.061	1.16
	•010	2.862	2.515	2.004		1.619	1.269	•010	2.426	2.293	1.977		1.628	1.25
	•030 •050	3.038 3.077	2.480	1.985		1.611	1.264	•030	2.386	2 • 255	1.943		1.618	1.25
	•075	3.001	2.447	1.970		1.612	1.268	•050	2.378	2 • 244	1.935		1.620	1.25
	.100	2 . 886	2.444	1.962		1.614	1.279	.100	2.362	2.237	1.924		1.622	1.26
	•150	2.534	2 • 470	1.944		1.622	1.293	• 150	2.317	2.227	1.915		1.634	1.28
	•200	2.102	2.464	1.929		1.632	1.293	•200	2.262	2.221	1.903		1.640	1.28
	•300	1.605	2.406	1.921		1.640	1.293	• 250	2.179	2.211	1.896		1.647	1.29
24	•350	1.543	2.137	1.906		1.647	1.279	• 350	1.893	2.142	1.879		1.664	1.28
Upper	•400	1.506	1.992	1.885		1.643	1.269	• 400	1.772	2.085	1.868		1.660	1.27
d'u	•450	1.452	1.853	1.852		1.628	1.261	• 450	1.651	2.010	1.855		1.652	1.27
	•520	1.398	1.721	1.811		1.606	1.242	•500	1.589	1.933	1.835		1.638	1.25
7. 6	•538	1 • 403	1.706	1.793		1.599	1.233	•538	1.534	1.914	1.827		1.635	1.25
1	•710	1.213	1.591	1.577		1.444	1.179	•710	1.332	1.660	1.654		1.489	1.19
	•720	1.227	1.575	1.555		1.441	1.167	• 720	1.357	1.639	1.642		1.479	1.18
	•760	1.197	1.412	1.539		1.453	1.169	•740	1.357	1.614	1.658		1.503	1.19
	.780	1.200	1.348	1.525		1.460	1.174	.780	1.349	1.562	1.646		1.522	1.20
on	.800	1.166	1.319	1.512		1 . 452	1.165	.800	1.320	1.551	1.638		1.520	1.20
rf2	•850 •950	1.062	1.264	1.458		1.452	1.094	.850	1.293	1.468	1.598		1.531	1.21
Surface:	1.000	1.030	1.166	1.026		1.319	1.036	1.000	1.222	1.300	1.443		1.397	1.08
Wing														1.00
8	.010 .030	•006- •198	•328 •352	•344		•418	• 467	•010	•075 •178	• 336	• 348		•407	0451 0546
	•050	• 293	•415	•478		• 575	•648	• 05 0	• 267	• 398	. 446		.539	.618
	•100	• 382 • 453	•488 •547	•552		• 626	•718 •759	•100	• 353	• 463	•514		•598	0690
100	.150	.562	.651	•696		.693 .771	.808	•150	• 422	•515 •618	•563 •656		.665 .741	•737
	•200	•628	•732	•742		.845	.849	.200	.589	• 696	•707		.819	.832
15	,250	• 693	• 785	•803		.889	.865	• 250	.659	• 750	•773		.872	.854
	•300	• 774 • 859	•854 •910	.860 .888		•933 •973	.881 .897	• 300	•736 •823	· 818	.834		1913	•873
Lower	•400	•918	•990	•970		.997	911	. 400	.882	. 961	· 863		•955	•888
Q	•450	• 980	•970	•957		1.026	•920	• 450	.948	. 939	.944		1.017	.916
н	•500	1.002	1.022	1.003		1.048	•936	•500	.969	• 996	• 992		1.043	6935
	•540	1.002	1.104	1.016		1.041	•950 •941	•520	• 974	1.028	1.004		1.038	• 951
	•710	1.119	1.178	1.114		1.135	1.005	•710	1.104	1.081	1.134		1.093	1.017
	•740	1.129	1.082	1.048		1.117	• 965	.740	1.111	1.081	1.068		1.128	.980
	•760	1.121	1.115	1.094		1.172	•965	.760	1.111	1.114	1.122		1.191	•983
	•780 •800	1.146	1.111	1.071		1.131	• 956 • 965	.800	1.137	1.117	1.100		1.151	0974
	.850	1.099	1.115	1.095		1.154	•961	.850	1.107	1.131	1.110		1.155	• 983
	.900	1.108	1.107	1.115		1.178	.980	.900	1.115	1.142	1.180		1.210	1.007
	• 950	1.103	1.094	1.133		1.206	•995	• 950	1.120	1.144	1.217		1.249	1.022
	•560	1.390	1.575	1.775		1.591	1.223	•560	1.500	1.837	1.821		1.633	1.245
er	.600	1.364	1.551	1.739		1.580	1.216	.600	1.448	1.803	1.804		1.634	1.243
id	•620	1.358	1.536	1.722		1.578	1.211	.620	1.430	1.781	1.799		1.639	1.243
ce	•640	1.334	1.504	1.683		1.569	1.207	• 640	1.394	1.747	1.788		1.636	1.238
rfa	•680	1.338	1.530	1.651		1.580	1.202	•660 •680	1.412	1.732	1.789		1.657	1.242
surface: Upper	•690	1.345	1.542	1.649		1.603	1.206	.690	1.388	1.695	1.821		1.686	1.251
Spoiler	•560		1.598	1.514				.560		1.660	1.588			
od.	•580		1.607	1.520		1.411	1.122	•580		1.668	1.594		1 . 445	1.150
	•600 •620		1.610	1.523		1.417	1.126	•600		1.674	1.599		1.456	1.156
Low	.640		1.608	1.522		1.424	1.129	.640		1.679	1.604		1.462	1.159
H	.660		1.608	1.519		1 . 442	1.138	.660		1.670	1.601		1.480	1.165
	•680		1.607	1.531		1 . 442	1.144	• 680		1.663	1.616		1.478	1.171
	•690		1.602	1.539		1.441	1.151	• 690		1.662	1.621		1.479	1.179
	•560 •580		1.596	1.510		1.402	1.118	•560 •580		1.654	1.586		1.441	1.146
per	.600		1.612	1.520		1.415	1.127	.600		1.676	1.599		1 0 4 4 2 1 0 4 5 2	1.145
0.1	•620		1.616	1.512		1.412	1.129	.620		1.682	1.589		1.452	1.152
surface	•640 •660		1.616	1.525		1.428	1.137	• 640		1.679	1.608		1.467	1.160
ij	.680		1.605	1.523		1.439	1.135	•660		1.668	1.608		1.473	1.161
	•688		1.598	1.516		1.439	1.131	•688		1.643	1.604		1.482	1.158
Deflector	•560	1.107	1.009	1.011		1.117	.836	• 560	1.079	• 986	1.008		1.118	.840
Tle	•580	1.052	1.035	1.005		1.036	•913 •933	0 200	1.030	1.015	1.004		1.037	0915
Der	•620	1.059	1.090	1.042		1.092	•933		1.027	1.059	1.044		1.096	0944
0	.640	1.065	1.108	1.033		1.108	.948	4640	1.049	1.094	1.040		1.111	956
	•660	1.108	1.090	1.043		1.109	•989	.660	1.089	1.077	1.052		1.111	0997
11111	.680 .688	1.096	1.104	1.077		1.192	0995	• 680	1.159	1.095	1.089		1.197	1.004
- 1				10000		18044	• 968	. 688	1.089	1.110	1.077		1.104	0975

TABLE 5 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.020 \text{ c}; \delta_{d} = -0.00000 \text{ c}\right]$ 

 $\alpha = 16^{\circ}$ 

a = 18 °

T		1	Pressure	coefficient	Cp 8	at $\frac{y}{b/2} = -$	-	,	P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
				1 154		1.175	1.218	.000	1.096	1.383	1.231		1.233	1.22
	.000 .010	1.093	1.358	1.156		1.650	1.266	.010	2.022	2.019	1.959		1.625	1024
		2.136	2.110	1.929		1.644	1.263	.030	2.003	1.991	1.931		1.616	1.24
		2 . 135	2.105	1.917		1.642	1.265		2.011	1.988	1.916		1.614	1.24
		2 • 132	2.103	1.914		1.642	1.271		2.017	1.987	1.906		1.610	1.24
	.100	2.134	2.106	1.905		1.640	1.278		2.020	1.996	1.898		1.608	1 . 25
	.150	2.121	2.103	1.899		1 . 644	1.286	.150	2.016	1.996	1.898		1.612	1.2
	.200	2 . 104	2.094	1.892		1.648	1.293	• 200	2.007		1.893		1.616	1.2
	.250	2.093	2.094	1.886		1.658	1.299	• 250	2.003		1.892		1.619	1.2
	.300	2.061	2.091	1.877		1.666	1.297		1.990		1.890		1.624	1.2
	.350	2.002	2.079	1.870		1 . 666	1.294	• 350	1.967	1.991	1.882		1.627	1.2
Taddo		1.928	2.059	1.858		1.665	1.292	• 400	1 945	1.986	1.871		1.630	1.2
ď.	.450	1 . 843	2.033	1.849		1.665	1.284	• 450	1.911	1.962	1.860		1.635	1.2
		1.793	1.994	1.838		1.664	1.280		1.870	1.958	1.856		1.637	1.2
l	a520	1.757	1.979	1.831		1.667	1.275	• 520 • 538	1.882	1.956	1.859		1.635	1.2
	•538	1.762	1.982	1.827		1.664	1.226		1.706	1.837	1.737		1.531	1.2
	•710	1.535	1.773	1.697		1.531	1.224	.720	1.697	1.828	1.731		1.534	1.2
		1.535	1.758	1.689		1.565	1.231	• 740	1.696	1.830	1.750		1.556	1.2
-	.740	1.533	1.755	1.705		1.578	1.237		1.665	1.822	1.752		1.574	1.2
	.760	1.502	1.740			1.591	1.246		1.655	1.810	1.752		1.586	1.2
	.780	1.502	1.724	1.704		1.591	1.247		1.613		1.747		1.594	1.2
	.800	1 . 464	1.720	1.670		1.603	1.256		1.550	1.732	1.724		1.609	1.2
	.850 .950	1.418	1.467	1.536		1.493	1.200		1.389	1.566	1.601		1.514	1.2
	.000	1.244	1.413	1.179		1.434	1.130		1.334	1.528	1.247		1.464	1.1
	.010	• 059	•337	•355		a 408	.453	•010	.038	. 345	• 363		•400	.4
	.030	.155	.328	•377			•539	.030	•119	• 311	. 363		. 492	.5
	.050	.242	•378	• 425		• 525	0613	050	• 209	. 353	0459		.539	.6
	.075	.327	.436	•489		• 573	•687	•075 •100	0293	. 409 . 456 . 549 . 627 . 685 . 753 . 818 . 903 . 892	.505		•602	.7
	.100	• 395	.493	.489 .536 .632 .685 .748 .806 .843		.644	•732	• 100 • 150	0 3 3 8	4540	.600		+686	.7
	.150	.506	.587	•632		•721	•791 •838	• 200	6400	1627	.653		0763	. 8
	.200	• 568	.666	.685		• 793		.250	.597	. 685	.715		.822	. 8
	.250	• 635	•725	•748		.858	.861	• 300	.670	. 753	.779		.870	08
	.300	.715	.791	.806		.903	.881 .899	• 350	. 767	. 818	825		.916	. 8
ы	•350	.802	.852	.843		• 952		. 400	.825	. 903	.910		+956	09
We l	.400	.861	• 936	.934		. 986	•919	. 450	.898	. 892	916		•997	09
Lower	.450	.933	.923	6929		1.022	6953	.500	•927	6 959	6970		16025	65
۲	.500	• 956	•986	•9 <b>7</b> 9		1.048	968	.520		6995	. 988		1.029	0 9
	•520	0954	1.019	1.042		1.106	959	.540	. 945	1.054	1.034		1.084	09
	•540	•972	1.073			1.171			1.107	1.181	1.151		1.157	1.0
	•710	1.113	1.181	1.143		1.155	1.007	1740	1.113	1.096	1.086		1.144	1.00
- 1	•740	1.119	1.095	1.137		1.230	1.013	.760	1.119	1.138	1.151		1.218	1.00
	•760	1.119	1.134	1.119		1.183			1.152	1.148	1.131		1.179	100
	•780	1.153	1.136	1.133		1.192		.800		1.127	1.148		1.186	1.0
	.800	1.124	1.14	1.168		1.217	1.017	.850	1.135	1.189	1.190		1.216	1.00
	.850	1.123	1.165	1.217		1.259		.900		1 . 229	1.247		1.265	100
	•900 •950	1.149	1.222	1.271		1.311	1.066	• 950		1 • 277	1.313		1.319	1.0
	•560	1.730	1.937	1.828				.560	1.864	1.940	1.860		1.651	1
	•580	1.704	1.943	1.827		1.674		•580	1.849		1.863		1.651	102
ei	.600	1.680	1.925	1.828		1.678	1.276		1.835	1.938	1.865		1.657	102
Upper	.620	1.663	1.910	1.832		1.690		•620		1.934	1.874		1.668	10
50	.640	1.633	1.897	1.834		1.697		• 640	1.801	1. 926	1.883		1.709	10
	.660	1.628	1.879	1.845		1.721	1.287	• 660	1.794	1.924	1.902		1.708	10
D	.680	1.598	1.867	1.873		1.743	1.306	.680 .690	1.768	1.933	1.937		1.731	10
rer	•690	10070				_,,,,								
1	.560		1.724	1.649		1.501	1.186	•560		1.787	1.692		1.498	10
3.	.580		1.727	1.653		1.507	1.190	.600		1.796	1.705		1.505	10
er	.600		1.733	1.663		1.507	1.193	.620		1.798	1.711		1.509	10
Low	•620		1.735	1.668		1.511	1.194	a 640		1.794	1.708		1.512	10
ĭ	.640		1.728	1.669		1.525	1.201	.660		1.800	1.710		1.522	10
	•660		1.731	1.663		1.526	1.207	.680		1.800	1.715		1.526	10
	.680 .690		1.732	1.671		1.525	1.213	. 690		1.806	1.716		1.523	1.
	. 540		1.721	1.643		1.491	1.179	.560		1.784	1.691		1.486	1.
	•560 •580		1.731	1.652		1.497	1.185	.580		10792	1.696		1.494	1.
H	•600		1.734	1.660		1.504	1.187	e600		1.798	1.704		1.499	10
per	•620		1.737	1.654		1.504	1.190	0620		1.802	1.701		1.502	1.
d'D	0640		1.735	1.674		1.515	1.196	o 640		1.804	1.713		1.512	1.
d d	.660		1.731	1.676		1.523	1.200	0660		1.801	1.722		1.523	1.
Upp	.680		1.731	1.676		1.521	1.202	• 680 • 688		1.803	1.723		1.525	1.
40	•688							•560		• 959	• 992		1.110	
ector		1.021	1.009	. •998		1.128 1.055	.870 .940	0580	•998	0 992	• 992 1 • 035		1.034	
	.600	1.018	1.054	1.041			.968		1.001	1.040			1.099	
Der	.620	1.034	1.073	1.041		1.114	.971		1.019	1.063			1.099	
0	.640	1.044	1.093	1.044		1.131	• 982	0640			1.041		1.120	1.
Н	660	1.088	1.081	1.057		1.134	1.022	0 660			1.101		1.213	1.
	.680	1.164	1.097			1.227	1.029		1.151				1.119	1.
	.688	1.107	1.116	1.086		1.130	1.006	0000	19750	20207				

TABLE 5 .- PRESSURE COEFFICIENTS - Continued

[8 = -0.020c; 8d = -0.00000c]

	_	-	-	0
N	-	6	۷	~

					x = 200							$\alpha = 22^{\circ}$			
		,		Pressure	coefficient	t Cp at	$t \frac{y}{b/2} = -$	-		F	ressure c	oefficient	Cp at	$\frac{y}{b/2} = -$	
		x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
		-000	1.114	1 202	1.282		1.325	1 250	.000	1.076	1.336	1.243		1.379	1.268
		•000	1.114	1.383	1.931		1.622	1.259	.010	1.804	1.774	1.820		1.623	1.260
		•030	1.906	1.885	1.923		1.613	1.255	.030	1.790	1.744	1.799		1.616	1.259
		.050	1.912	1.881	1.881		1.610	1.255	• 050	1.786	1.737	1.775		1.616	1.261
		.075	1.921	1.883	1.871		1.609	1.256	• 075	1.789	1 . 735	1.768		1.613	1.263
		•100 •150	1.928	1.895	1.860		1.608	1.257	•100 •150	1.795	1.748	1.765		1.616	1.269
		•200	1.945	1.901	1.858		1.612	1.266	• 200	1.802	1.750	1.761		1.620	1.271
1	1	•250	1.948	1.907	1.860		1.612	1.269	• 250	1.810	1 . 759	1.764		1.621	1.276
		•300	1.945	1.909	1.860		1.615	1.271	• 300	1.811	1.767	1.763		1.627	1.281
	er	•350	1.932	1.914	1.852		1.623	1.278	.400	1.827	1.784	1.764		1.637	1.285
	Upper	.450	1.921	1.913	1.850		1.631	1.279	• 450	1.831	1.799	1.768		1 641	1.288
1	٦	•500	1.917	1.913	1.845		1.636	1.283	•500 •520	1.838	1.806	1.771		1.648	1.293
		•520 •538	1.909	1.909	1.845		1.642	1.290	• 538	1.842	1.802	1.774		1.655	1.301
		•710	1.814	1.836	1.740		1.560	1.255	.710	1.796	1.777	1.687		1.581	1.276
		•720	1.811	1.838	1.740		1.559	1.252	• 720	1.798	1.784	1.694		1.591	1.270
- 1		•740 •760	1.800	1.848	1.756		1.581	1.264	•740	1.786	1.790	1.714		1.623	1.290
1		•780	1.767	1.834	1.763		1.610	1.278	.780	1.781	1.796	1.725		1.634	1.296
	ce:	.800	1.741	1.832	1.760		1.617	1.279	.800	1.768	1.795	1.724		1 . 642	1 . 295
	fa	.850 .950	1.688	1.787	1.645		1.630	1.286	. 850 . 950	1.638	1.781	1.716		1.654	1.305
	Surface	1.000	1.533	1.605	1.310		1.527	1.196	1.000	1.575	1.644	1.350		1.560	1.226
	Wing	•010	• 022	• 347	•380		.410	•454	*010 *030	.023 .086	• 349 • 289	• 387 • 349		• 425	•465 •502
		•030	.095 .180	• 294 • 330	•358 •383		. 464	•574	.050	.166	.319	•368		• 460	•571
		•075	.262	.378	.434		.507	.650	.075	.246	.360	.416		0508	0643
		•100	• 324	• 422	•482		• 572	•696	•100	•307	• 404 • 488	•457 •544		• 569 • 643	∘688 ∘754
- 1		•150 •200	. 433 . 494	•514 •592	•569 •623		• 652 • 735	.760 .813	• 150 • 200	•411 •475	• 566	.600		0734	•807
		•250	• 564	.650	.689		.798	.836	• 250	.543	e 622	.671		.786	.836
		•300	• 646	•719	.754		. 848	.866	• 300	•623	0691	• 728		. 843	0861
	i.	•350	• 736	.781 .866	.799 .891		• 900 • 940	.882	• 350 • 400	•717 •769	• 752 • 836	.774 .870		+894 +938	.882 .910
	Lower	•400 •450	• 792 • 866	. 869	.895		.989	.933	• 450	.848	. 847	.878		0983	0933
	Z	•500	•902	.936	.962		1.022	.953	•500	.886	0917	• 944		1.021	0959
		•520	•912	.972	•978		1.017	• 959	•520	.895	951	955		1.024	• 969 • 966
		•540	1.099	1.030	1.021		1.083	.886 1.067	• 540 • 710	.908 1.097	1.016	1.162		1.178	1.076
		•740	1.109	1.095	1.098		1.154	1.029	.740	1.108	1.097	1.100		1.169	1.039
		.760	1.120	1.141	1.163		1.230	1.037	• 760	1.122	1.149	1.166		1.240	1.047
		•780	1.156	1.152	1.144		1.204	1.027	. 780 . 800	1.162	1.148	1.147		1.207	1.039
		.800 .850	1.132	1.208	1.213		1.232	1.049	.850	1.168	1.232	1.223		1.251	1.061
		.900	1.205	1.262	1.276		1.286	1.075	• 900	1.238	1.298	1.290		1.309	1.089
		•950	1.268	1.322	1.354		1.360	1.115	• 950	1.320	1.367	1.369		1.386	1.133
		•560 •580	1.905	1.905	1.852		1.651	1.296	•560 •580	1.840	1.806	1.779		1.666	1.305
	er.	.600	1.893	1.909	1.853		1.665	1.295	.600	1.834	1.817	1.792		1.677	1.309
	o: Upper	•620	1.886	1.910	1.872		1.675	1.301	•620	1.833	1 . 824	1.802		1.685	1.314
	Ge:	•640	1.871	1.909	1.891		1.687	1.308	. 640	1.823	1.832	1.823		1.701	1.317
- 1	fac	.660 .680	1.866	1.915	1.910		1.714	1.315	.680	1.823	1.848	1.852		1.739	1.333
	surface:	.690	1.845	1.939	1.980		1.742	1.330	.690	1.812	1.882	1.943		1.749	1.337
	Spoiler s Lower	•560		1.800	1.695		1.526	1.219	•560 •580		1.740	1.646		1.556	1.239
	Spo	•580 •600		1.803	1.707		1.535	1.225	.600		1.741	1.653		1.566	1.240
	we	•620		1.809	1.714		1.539	1.228	.620		1.743	1.657		1.568	1.247
	Lo	•640		1.806	1.713		1.541	1.227	0640		1 0 745	1.660		1.548	1.254
		•660 •680		1.812	1.722		1.551	1.235	• 660 • 680		1.754	1.674		1.581	1.261
		•690		1.822	1.726		1.553	1.244	.690		1.766	1.679		1.582	1.262
		•560		1.797	1.699		1.521	1.218	• 560		1.748	1.647		1.550	1.237
	H	•580		1.804	1.702		1.526	1.223	•580 •600		1.748	1.650		1.555	1.243
-	be	•600 •620		1.808	1.711		1.530	1.227	.620		1.746	1.661		1.559	1.244
	ce: Up	•640		1.809	1.719		1.545	1.230	.640		1.746	1.668		1.571	1.251
	fa	•660		1.812	1.722		1.553	1.234	•660		1 0 755	1.679		1.574	1.253
	surface: Upper	.680 .688		1.812	1.728		1.551	1.239	. 680 . 688		1.753	1.679		1.579	1.254
	Deflector	•560 •580	1.020	•940 •975	• 985 • 988		1.106	.888 .954	• 560 • 580	1.005	• 926 • 962	:977		1.109	· 888 · 96 0
	fle	•580	.979	1.024	1.032		1.032	.954 .98I	.580	• 965	1.016	1.025		1.033	6984
	De	•620	1.002	1.024	1.032		1.100	.983	•620	• 993	1.041	1.027		1.103	0991
	Lower	•640	1.011	1.073	1.042		1.115	.998	.640	1.002	1.069	1.036		1.125	1.003
		•660	1.059	1.062	1.057		1.123	1.037	•660 •680	1.051	1.057	1.054		1.236	1.050
		•680 •688	1.141	1.086	1.094		1.221	1.047		1.193	1.103	1.090		1.143	1.026
		-													

a = 23 °

 $\left[\delta_{S} = -0.020 \,c; \,\delta_{d} = -0.00000 \,c\right]$   $\alpha = *0.00000 \,c$ 

-			Pressure	coefficien	t Cp at	$\frac{y}{b/2} = -$	-		P	ressure c	oefficien	t Cp at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.9
	.000	1.058	1.338	1.226 1.733		1.403	1.270	.000						
	.010	1.722	1.695			1.603	1.258	.010						
	•030	1.709	1.677	1.714		1.596	1.262	.030						
	•050	1.706	1.675	1.703		1.593	1.263	•050						
	•075	1.704	1.677	1.702		1.593	1.265	•100						
	•100 •150	1.707	1.687	1.698		1.600	1.268	• 150						
		1.718	1.696	1.699		1.600	1.273	• 200						
	•250	1.727	1.703	1.702		1.605	1.275	• 250						
1		1.735	1.714	1.704		1.610	1.278	• 300						
.	•350	1.744	1.724	1.706		1.614	1.281	• 350						
Upper	.400	1.758	1.735	1.708		1.618	1.287	• 400						
ದ	.450	1.766	1.747	1.713		1.626	1.291	• 450						
7	.500	1.780	1.756	1.718		1.632	1.295	• 500						
		1.778	1.758	1.716		1.636	1.298	• 520						
		1.794	1.764	1.722		1.641	1.303	• 538						
		1.775	1.742	1.643		1.576	1.282	• 710						
	•720	1.775	1.753	1.656		1.581	1.282	• 720						
		1.770	1.758	1.673		1.597	1.287	• 740						
	•760	1.769	1.763	1.685		1.612	1.296	• 760						
1	•780	1.773	1.766	1.683		1.622	1.301	• 780						
		1.773	1.770	1.689		1.627	1.305	• 800						
	.850	1.770	1.764	1.686		1.641	1.310	• 850 • 950						
	•950	1.705	1.718	1.647		1.564	1.294	1.000						
	1.000	1.658	1.672	1.387		10004	10255	1.000						
	.010	.016 .077	.352 .275	•386 •337		•432	• 470 • 499	•010						
	•050	.156	.298	•354		• 442	•558	• 050						
	.075	• 234	.338	•397		.486	•628	.075						
	.100	•294	•380	•435		.542	.674	.100						
	.150	.396	.462	•520		.619	. 744	• 150						
- }	.200	• 456	•537	•575		.705	•798	.200						
	.250	• 522	•597	•640		.760	•826	• 250						
	•300	.604	.663	.706		.818	•856	• 300						
ы	.350	•697	•724	•752		.871	•877	• 350						
Ne.	• 400	• 744	.805	.846		•920	•905	• 400						
Lower	•450	·826	.824	.857		• 963	•932	• 450						
-1	• 5 00	.865	.893	•921		1.001	• 955	• 500						
	•520	.879	•929	•941		1.001	• 969	• 520 • 540						
	•540	• 889	•992	•989		1.061	1.082	•710						
	•710	1.084	1.167	1.149		1.153	1.041	.740						
	•740 •760	1.100	1.088	1.153		1.227	1.041	•760						
- }	.780	1.154	1.155	1.137		1.196	1.041	.780						
	.800	1.138	1.141	1.161		1.205	1.057	.800						
	.850	1.170	1.230	1.215		1.241	1.065	.850						
	900	1.249	1.298	1.287		1.293	1.095	• 900						
	•950	1.348	1.384	1.374		1.376	1.144	• 950						
	•560	1.793	1.766	1.725				.560						
.	.580	1.793	1.766	1.725 1.732		1.653	1.307	•580						
e.	.600	1.791	1.778	1.739		1.658	1.312	.600						
Upper	.620	1.794	1.785	1.752		1.666	1.314	•620						
P	•640	1.788	1.794	1.772		1.675	1.320	• 640						
- L	.660	1.792	1.811	1.799		1.697	1.325	• 660						
	•680 •690	1 • 784 1 • 784	1.824	1.860		1.718 1.727	1.332	• 680 • 690						
i.e	•560		1.706	1.606		1.554	1.249	• 560						
	•580		1.714	1.615		1.554	1.248	•580						
er	.600		1.711	1.616		1.555	1.250	•600						
Lower	•620		1.714	1.621		1.559 1.559	1.254	• 620 • 640						
Ă	•640		1.714	1.625		1.572	1.261	.660						
	.660 .680		1.725	1.636		1.573	1.266	.680						
	•690		1.734	1.642		1.575	1.274	•690						
	. 5 4 0		1.715	1.611		1.549	1.269	•560						
	•560 •580		1.715	1.611		1.550	1.248	.580						
per	.600		1.715	1.615		1.556	1.251	.600						
de	•620		1.717	1.626		1.558	1.255	.620						
10 L	.640		1.717	1.629		1.569	1.258	. 640						
	.660		1.722	1.640		1.577	1.260	.660						
Upp	.680		1.724	1.644		1.576	1.263	.680 .688						
	•688													
wer	•560 •580	• 987 • 944	.902 .940	•956 •959		1.086	•885 •956	•560 •580						
FI	•600	• 958	993	1.008			.980	.600						
ower	•620	.976	1.018	1.013		1.084	•985	• 620						
0	.640	•989	1.047	1.023		1.104	1.007	• 640						
Н	•660	1.041	1.043	1.043		1.116	1.048	.660						
	•680	1.125	1.067	1.087		1.220	1.037	• 680						
	.688	1.216	1.089	1.077		1.130	1.026	o 688						

F

TABLE 6 .- PRESSURE COEFFICIENTS

[8<sub>s</sub> =-0.040c; 8<sub>d</sub>=-0.00000c]

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 $\alpha = -2^{\circ}$ 

				coefficien	t Cn at	У			D	ressure c	cefficient	C <sub>n</sub> at	<u>y</u> = _	
	x/c			coefficien	-	b/2		x/c					$\frac{y}{b/2} = -$	0.07
		0.15	0.30	0.50	0.70	0.85	0.97		0.15	0.30	0.50	0,70	0.85	0.97
Upper	.000 .010 .030 .050 .075 .100 .250 .200 .250 .350 .400 .450 .520 .538 .710	1.270 .690 .835 .895 .990 .973 .987 1.022 1.018 1.032 1.048 1.048 1.048 1.048 1.060 1.192	2.321 .618 .800 .858 .897 .932 .964 .974 .991 1.002 .987 .959 .871 .820 .782 1.653	3.585 .534 .713 .794 .841 .879 .922 .944 .955 .960 .954 .913 .856 .810 .729	2 • 479 • 463 • 667 • 740 • 803 • 853 • 904 • 930 • 945 • 968 • 948 • 948 • 948 • 948 • 1815 • 823 • 781	2 • 0 43 • 406 • 647 • 726 • 792 • 836 • 904 • 927 • 940 • 986 • 945 • 983 • 831 • 771 1 • 275	.974 .521 .739 .828 .877 .908 .945 .955 .965 .968 .965 .939 .876 .843 .808	000 010 030 050 075 100 200 250 300 450 500 520 538	*312 *990 1*024 1*024 1*024 1*067 1*069 1*081 1*085 1*098 1*098 1*098 1*242	. 929 . 931 1.010 1.024 1.038 1.055 1.061 1.067 1.064 1.070 1.064 1.039 1.002 . 902 . 845 . 811 1.656	1.813 .792 .914 .960 .988 1.012 1.033 1.040 1.032 1.051 1.038 1.015 .969 .899 .847 .764	. 989 . 698 . 857 . 888 . 927 . 965 . 994 1.007 1.008 1.010 1.004 . 981 . 954 . 835 . 784 1.374 1.368	1.262 .592 .824 .883 .939 .952 1.014 1.002 1.021 1.033 .995 .856 .801 .790 1.300	.382 .653 .828 .877 .903 .929 .946 .947 .949 .945 .931 .916 .849 .849 .849 .849 .156
g Surface:	.720 .740 .760 .780 .800 .850 .950	1.211 1.214 1.194 1.200 1.163 1.122 1.069 1.108	1.650 1.649 1.637 1.623 1.583 1.352 1.045	1.602 1.603 1.587 1.584 1.592 1.488 1.049	1.363 1.367 1.365 1.367 1.364 1.376 1.244 1.077	1.254 1.274 1.278 1.289 1.280 1.299 1.107	1.174 1.185 1.187 1.190 1.186 1.196 1.037 .754	.720 .740 .760 .780 .800 .850 .950	1.242 1.242 1.225 1.231 1.190 1.147 1.083 1.117	1.653 1.640 1.631 1.610 1.406 1.075	1.635 1.628 1.603 1.585 1.585 1.515 1.134 .806	1.368 1.373 1.374 1.370 1.362 1.371 1.303 1.170	1.305 1.307 1.307 1.307 1.307 1.236 1.110	1.156 1.156 1.160 1.165 1.168 1.058
Wing	010 030 075 100 200 250 300 350 450 520 540 710 760 850 850 950	1.499 1.274 1.193 1.198 1.252 1.193 1.208 1.208 1.204 1.366 1.357 1.357 1.377 1.372 1.223 1.223 1.201 1.155	1.724 1.521 1.421 1.372 1.374 1.385 1.381 1.379 1.385 1.369 1.385 1.546 1.411 1.262 1.260 1.260 1.280 1.191 1.208	1.968 1.6564 1.5516 1.424 1.420 1.3347 1.350 1.354 1.3247 1.363 1.298 1.298 1.298 1.298 1.405 1.405 1.254 1.199 1.188 1.163 1.153 1.153 1.153 1.153	2:198 1:831 1:681 1:555 1:515 1:517 1:372 1:372 1:372 1:272 1:284 1:271 1:264 1:263 1:225 1:216	2.063  1.613 1.439 1.405 1.308 1.289 1.257 1.224 1.232 1.215 1.186 1.186 1.186 1.189 1.129 1.129 1.129 1.121 1.105 1.105	1.778 1.432 1.320 1.240 1.187 1.141 1.123 1.115 1.109 1.102 1.067 1.064 1.086 1.177 1.164 1.185 1.194 1.185 1.194 1.185 1.184 1.185 1.184	**************************************	1.139 1.071 1.071 1.075 1.149 1.129 1.222 1.230 1.336 1.320 1.321 1.320 1.320 1.320 1.328 1.301 1.228 1.258 1.218 1.218 1.218 1.218	1.297 1.226 1.207 1.203 1.203 1.229 1.286 1.279 1.304 1.326 1.301 1.326 1.301 1.243 1.245 1.243 1.245 1.243 1.245 1.243 1.245 1.243 1.245 1.243 1.245 1.243 1.245 1.265	1.529 1.603 1.350 1.350 1.284 1.294 1.292 1.211 1.287 1.287 1.288 1.395 1.262 1.208 1.196 1.169 1.134 1.110	1.640 1.946 1.326 1.328 1.229 1.279 1.255 1.229 1.225 1.222 1.222 1.222 1.228 1.247 1.216	1.752 1.614 1.392 1.416 1.327 1.307 1.227 1.252 1.254 1.255 1.206 1.198 1.099 1.244 1.191 1.202 1.153 1.138 1.138 1.138 1.138 1.126 1.125	1.496 1.292 1.198 1.142 1.071 1.071 1.075 1.041 1.047 1.045 1.045 1.040
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.094 1.093 1.111 1.138 1.143 1.212 1.198 1.218	•753 •898 •972 1•063 1•133 1•261 1•371 1•463	•764 •887 •971 1•039 1•112 1•187 1•345 1•448	.861 .927 .968 1.030 1.084 1.182	.833 .910 .972 1.054 1.109 1.174 1.265	.867 .904 .935 .963 1.002 1.053	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690	1.133 1.126 1.149 1.170 1.171 1.236 1.227 1.246	•777 •927 1•001 1•094 1•160 1•264 1•393 1•478	•797 •919 1•001 1•074 1•150 1•222 1•381 1•482	.864 .937 .973 1.036 1.093 1.186 1.274	.846 .927 .991 1.070 1.133 1.213	.831 .882 .921 .949 .985 1.027
Spoiler	.560 .580 .600 .620 .640 .660 .680		1.652 1.650 1.649 1.653 1.652 1.657 1.652 1.657	1.600 1.611 1.620 1.626 1.624 1.628 1.622 1.619	1.347 1.358 1.364 1.363 1.365 1.363 1.362	1.289 1.293 1.291 1.284 1.284 1.280 1.264	1.179 1.179 1.182 1.180 1.185 1.183 1.177	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690		1.661 1.657 1.657 1.663 1.659 1.662 1.658	1.628 1.633 1.645 1.653 1.650 1.658 1.650 1.646	1.355 1.361 1.363 1.362 1.362 1.364 1.361	1.305 1.302 1.300 1.297 1.296 1.299 1.298	1:149 1:149 1:151 1:151 1:155 1:150 1:151
or surface: Upper	.560 .580 .600 .620 .640 .660 .680		1.650 1.650 1.649 1.655 1.658 1.657 1.655	1.596 1.611 1.624 1.630 1.632 1.631 1.637	1.303 1.333 1.355 1.359 1.368 1.360 1.357 1.354	1.264 1.287 1.289 1.285 1.296 1.283 1.282 1.284	1.163 1.174 1.174 1.177 1.182 1.182 1.182	.560 .580 .600 .620 .640 .660 .680		1.661 1.659 1.656 1.665 1.666 1.662 1.661 1.653	1.617 1.638 1.648 1.658 1.654 1.659 1.664 1.661	1.325 1.344 1.359 1.359 1.363 1.361 1.354	1.306 1.301 1.300 1.300 1.300 1.299 1.298 1.299	1.133 1.150 1.143 1.145 1.148 1.153 1.155
Deflector	.620 .640 .660 .680	1 • 437 1 • 366 1 • 356 1 • 355 1 • 345 1 • 361 1 • 397 1 • 153	1.323 1.327 1.346 1.344 1.345 1.320 1.358 1.400	1.329 1.269 1.276 1.259 1.242 1.230 1.282 1.232	1.305 1.238 1.252 1.241 1.232 1.220 1.214 1.213	1.218 1.145 1.201 1.164 1.176 1.159 1.216 1.140	.977 1.047 1.093 1.107 1.128 1.190 1.201 1.163	.580 .600 .620 .640 .660	1.403 1.327 1.318 1.312 1.308 1.330 1.380 1.380	1.277 1.290 1.316 1.314 1.319 1.293 1.336 1.381	1.335 1.276 1.281 1.266 1.243 1.234 1.234 1.290	1.266 1.196 1.221 1.209 1.200 1.192 1.186 1.195	1.232 1.126 1.205 1.171 1.185 1.164 1.251 1.159	.927 .980 1.017 1.027 1.040 1.093 1.116 1.084

TABLE 6 .- PRESSURE COEFFICIENTS - Continued

 $\begin{bmatrix} \delta_{S} = -0.040 \text{ c}; \ \delta_{d} = -0.00000 \text{ c} \end{bmatrix}$   $\alpha = 0.0$ 

	,		Pressure	coefficien	t Cp a	$t \frac{y}{b/2} = -$	-		F	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Surface:, Upper	.000 .010 .030 .050 .075 .100 .250 .250 .350 .450 .520 .520 .538 .710 .760 .760 .760 .880 .850 .950	*312 1*359 1*223 1*228 1*156 1*161 1*149 1*144 1*144 1*144 1*145 1*133 1*135 1*139 1*275 1*275 1*275 1*275 1*275	*502 1*404 1*262 1*208 1*182 1*187 1*158 1*126 1*126 1*126 1*126 1*126 1*081 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	*122 1 • 256 1 • 178 1 • 138 1 • 138 1 • 146 1 • 139 1 • 109 1 • 108 4 • 998 • 921 1 • 601 1 •	.397 1.128 1.128 1.104 1.102 1.108 1.115 1.100 1.086 1.077 1.061 1.077 1.066 1.386 859 806 1.386 1.381 1.373 1.378 1.378 1.378 1.377 1.339	.667 1.035 1.071 1.086 1.101 1.091 1.121 1.092 1.082 1.077 1.080 1.322 .993 .881 1.325 1.325 1.325 1.325 1.325 1.325 1.325 1.325 1.321 1.321	*335 *917 *971 *978 *966 *971 *975 *963 *956 *951 *931 *914 *814 *771 1*188 1*174 1*188 1*188 1*188	.000 .010 .030 .050 .075 .100 .200 .250 .350 .400 .520 .538 .710 .720 .740 .780 .800 .850 .950	*340 1 *806 1 *466 1 *406 1 *299 1 *282 1 *223 1 *223 1 *221 1 *210 1 *211 1 *2	. 268 1. 997 1. 556 1. 426 1. 352 1. 336 1. 269 1. 290 1. 197 1. 172 1. 172 1. 172 1. 177 1. 627 1. 627 1. 627 1. 629 1.	. 223 1.813 1.490 1.388 1.324 1.324 1.229 1.147 1.105 1.037 958 907 845 1.575 1.575 1.553 1.553 1.553 1.553 1.553 1.553 1.553 1.553 1.553 1.553	.507 1.799 1.443 1.317 1.227 1.225 1.225 1.190 1.154 1.104 1.010 .901 1.886 .845 1.337 1.337 1.347 1.347 1.367 1.363 1.356 1.356	.403 1.502 1.282 1.225 1.226 1.199 1.196 1.157 1.130 1.06 1.054 1.013 .903 .849 .828 1.317 1.318 1.316 1.322 1.318 1.322 1.318 1.322 1.318 1.322 1.318 1.322 1.318 1.322 1.318 1.322 1.318 1.322 1.318 1.322 1.318 1.322	*409 1*315 1*164 1*104 1*055 1*037 1*002 1*000 *988 *981 *989 *943 *923 *824 *792 1*218 1*
Wing S	1.000  .010 .030 .050 .075 .100 .200 .250 .450 .450 .520 .540 .710 .760 .760 .8800 .850 .950	1.116  .863 .895 .924 .942 .972 1.062 1.037 1.061 1.167 1.219 1.252 1.281 1.268 1.316 1.283 1.274 1.288 1.288 1.284 1.288 1.284 1.288 1.288 1.288 1.288 1.288	.590 .952 1.005 1.022 1.055 1.081 1.158 1.200 1.200 1.235 1.261 1.307 1.250 1.381 1.324 1.324 1.321 1.173 1.174 1.088	.902 1:046 1:093 1:108 1:182 1:128 1:194 1:150 1:223 1:207 1:273 1:210 1:236 1:242 1:180 1:149	1.230  1.167 1.136 1.141 1.136 1.175 1.163 1.187 1.186 1.199 1.189 1.189 1.243 1.243 1.244 1.124 1.138	1.197 1.256 1.545 1.491 1.491 1.171 1.192 1.287 1.292 1.246 1.218 1.184 1.025 1.196 1.171 1.148 1.136 1.133 1.133 1.153	.900  1.180  1.177  1.078  1.042  1.041  1.022  1.016  1.011  1.020  1.016	010 030 050 075 1100 2200 250 350 400 500 520 540 710 740 760 880 880 990	6113 714 776 819 858 960 952 986 1095 1124 11228 1224 1228 1226 1225 1226	*690 *782 *843 *992 1:051 1:119 1:119 1:129 1:248 1:239 1:253 1:436 1:209 1:205 1:197 1:166 1:131	.979 .721 .854 .915 .990 1.001 1.090 1.016 1.111 1.151 1.247 1.207 1.309 1.228 1.174 1.169 1.142 1.137 1.124 1.114	1.252 .758 .859 .991 .9954 1.003 1.0040 1.0073 1.108 1.118 1.127 1.139 1.149 1.149 1.122 1.123 1.198 1.117 1.117 1.117 1.117 1.117 1.117 1.127 1.1143	1.215 .951 1.192 1.188 1.065 1.118 1.290 1.166 1.150 1.246 1.151 1.210 1.164 1.161 1.163 1.153 1.133 1.133 1.133 1.130 1.130	
: surface: Upper	.560 .580 .600 .620 .640 .660 .680	1.168 1.163 1.179 1.203 1.205 1.265 1.257	.807 .934 1.016 1.108 1.178 1.301 1.406 1.485	.816 .930 1.010 1.078 1.153 1.225 1.368 1.472	.883 .956 .991 1.053 1.110 1.205 1.295	.859 .943 1.008 1.087 1.153 1.227 1.325	•824 •887 •919 •958 •993 1•047 1•098	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690	1.203 1.196 1.213 1.232 1.231 1.289 1.283 1.294	. 853 . 957 1.034 1.119 1.189 1.299 1.406 1.484	.862 .956 1.030 1.098 1.164 1.239 1.370 1.455	.897 .948 1.003 1.065 1.115 1.210	.870 .949 1.013 1.090 1.152 1.228 1.314	.825 .889 .929 .973 1.014 1.073
Spoiler	•560 •580 •600 •620 •640 •660 •680 •690		1.653 1.655 1.655 1.655 1.655 1.655	1.597 1.605 1.618 1.624 1.622 1.630 1.622 1.620	1.367 1.370 1.373 1.369 1.368 1.367 1.368	1.313 1.313 1.313 1.310 1.316 1.318	1.140 1.140 1.143 1.149 1.155 1.154 1.150	.560 .580 .600 .620 .640 .660 .680		1.631 1.632 1.635 1.633 1.637 1.634 1.640	1.568 1.577 1.593 1.600 1.600 1.609 1.599 1.600	1.321 1.329 1.333 1.333 1.339 1.345 1.353	1.308 1.310 1.310 1.310 1.317 1.313	1:149 1:154 1:157 1:160 1:169 1:177
r surface: Upper	•560 •580 •600 •620 •640 •660 •680 •688		1.654 1.653 1.653 1.663 1.665 1.658 1.658	1.583 1.605 1.618 1.626 1.628 1.631 1.639 1.633	1.341 1.357 1.367 1.364 1.367 1.364 1.359	1.302 1.317 1.311 1.311 1.312 1.316 1.312	1 • 12 0 1 • 134 1 • 135 1 • 143 1 • 147 1 • 153 1 • 145 1 • 138	.560 .580 .600 .620 .640 .660 .680		1.639 1.631 1.633 1.640 1.639 1.637 1.637	1.555 1.573 1.588 1.600 1.598 1.612 1.626	1.303 1.317 1.326 1.332 1.334 1.333 1.328	1.301 1.307 1.308 1.311 1.310 1.315 1.314	1 · 131 1 · 139 1 · 144 1 · 152 1 · 156 1 · 157 1 · 152 1 · 145
Deflector	.580 .600 .620 .640 .660 .680	1.280	1 • 241 1 • 257 1 • 284 1 • 286 1 • 291 1 • 266 1 • 313 1 • 357	1.257 1.210 1.230 1.219 1.204 1.195 1.264 1.211	1.241 1.175 1.201 1.192 1.187 1.180 1.175 1.187	1.087 1.087 1.165 1.165 1.161 1.228 1.134	•920 •961 •988 •998 1•008 1•046 1•046	.580 .600 .620 .640 .660	1.332 1.250 1.241 1.245 1.241 1.273 1.335 1.116	1.192 1.215 1.242 1.250 1.255 1.233 1.282 1.334	1:222 1:176 1:200 1:196 1:178 1:178 1:249 1:192	1.169 1.133 1.147 1.147 1.146 1.147 1.141 1.159	1:190 1:067 1:194 1:158 1:176 1:147 1:214 1:128	•918 •960 •989 •997 1•010 1•050 1•065 1•037

TABLE 6.- PRESSURE COEFFICIENTS - Continued  $\left[ \delta_{_{\rm S}} = ^{-0*040} c; \; \delta_{_{\rm d}} = ^{-0*00000} c \right]$ 

 $\delta_{S} = -0.040 c; \delta_{d} = -0.00000 c$   $\alpha = 4^{\circ}$   $coefficient C_{p} at \frac{y}{b/2} = -$ Pres

	,		Pressure	coefficien	t Cp at	$\frac{y}{b/2} = -$	-	/-	P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
uce. Upper	.000 .010 .030 .050 .075 .100 .250 .350 .400 .450 .520 .520 .538 .710 .720 .740 .780 .850	•730 2·747 1·836 1·664 1·493 1·397 1·344 1·334 1·226 1·275 1·239 1·234 1·200 1·313 1·296 1·313 1·296 1·255 1·296	*512 2.454 2.165 1.806 1.570 1.488 1.338 1.297 1.275 1.275 1.275 1.275 1.265 1	*360 1.835 1.740 1.708 1.645 1.569 1.349 1.226 1.2201 1.157 1.106 1.049 1.018 *978 1.524 1.524 1.524 1.525 1.547 1.526 1.511 1.502 1.428 1.4290 1.428	*819 1.7791 1.7751 1.530 1.548 1.548 1.548 1.229 1.229 1.189 1.103 1.000 1.398 1.000 1.398 1.397 1.404 1.408 1.408 1.408	. 422 1.7349 1.649 1.656 1.956 1.988 1.387 1.207 1.207 1.176 1.120 1.085 1.010 969 977 1.351 1.351 1.354 1.364 1.364 1.364	.650 1.421 1.209 1.190 1.128 1.077 1.050 1.034 1.013 .979 .965 897 .884 .835 1.190 1.197 1.203 1.211 1.206 1.163	.000 .010 .030 .050 .075 .100 .150 .200 .250 .350 .400 .500 .520 .538 .710 .720 .740 .780 .880	1.139 4.224 1.827 1.840 1.642 1.582 1.536 1.438 1.411 1.337 1.324 1.256 1.277 1.324 1.277 1.324 1.277 1.324 1.277 1.324 1.340 1.356 1.326 1.326 1.326 1.326	. 805 2. 763 2. 776 2. 469 2. 104 1. 880 1. 649 1. 551 1. 352 1.	.534 1.901 1.681 1.682 1.624 1.768 1.677 1.579 1.491 1.280 1.228 1.173 1.155 1.120 1.517 1.523 1.515 1.523 1.523 1.558 1.523	. 995 1.772 1.765 1.764 1.753 1.732 1.691 1.627 1.559 1.489 1.417 1.303 1.225 1.238 1.225 1.425 1.425 1.420 1.430 1.230 1.230 1.230 1.230 1.420 1.420 1.420	.585 1.608 1.594 1.586 1.563 1.545 1.503 1.442 1.303 1.344 1.300 1.265 1.228 1.210 1.203 1.349 1.349 1.349 1.349	.97. 1.74. 1.62. 1.53. 1.29. 1.20. 1.15. 1.15. 1.15. 1.15. 1.10. 1.1
wing burlace.	•950 1•000	1.111	1.130 .593	1.257 1.018	1.286	1.253	1.038 .980	.950 1.000	1.116	1.101	1.191	1.181	1.176 1.155	1.03
Lower	.010 .030 .075 .075 .100 .250 .330 .350 .400 .520 .520 .540 .710 .740 .760 .800	. 409 .547 .629 .695 .748 .858 .867 .906 1.017 1.123 1.169 1.165 1.186 1.248 1.231 1.247 1.247 1.247	.503 .625 .708 .708 .834 .943 1.019 1.043 1.087 1.124 1.185 1.141 1.204 1.385 1.327 1.173 1.184 1.175	.566 .7709 .772 .853 .880 .966 1.021 1.073 1.108 1.155 1.108 1.143 1.143 1.144 1.192 1.140 1.137	-589 -710 -778 -837 -950 -993 1-051 1-070 1-083 1-108 1-108 1-106 1-216 1-216 1-217 1-105 1-105	.634 1.009 .903 .983 .961 1.025 1.043 1.061 1.115 1.088 .943 1.147 1.143 1.134 1.134 1.134 1.100	.704 .836 .876 .916 .942 .962 .979 .985 .997 1.005 1.004 .994 1.005 .966 1.028 1.012	.010 .030 .050 .075 .100 .200 .250 .300 .350 .400 .500 .520 .540 .710 .740 .780 .880 .880	.282 .435 .528 .606 .667 .776 .802 .851 .960 1.033 1.074 1.130 1.125 1.151 1.221 1.221 1.229 1.197 1.231	. 410 .513 .599 .679 .736 .831 .906 .959 1.014 1.057 1.120 1.082 1.127 1.153 1.128 1.140 1.140 1.143 1.110	.470 .598 .672 .751 .872 .896 .960 1.003 1.097 1.097 1.110 1.209 1.111 1.111 1.085 1.085	. 636 . 686 . 752 . 8811 . 879 . 927 . 962 . 923 1.034 1.054 1.071 1.121 1.178 1.143 1.075 1.075 1.070	*914 *788 *980 *990 *996 *988 1:016 1:075 1:057 1:057 1:115 1:111 1:089 1:074 1:077	-73 -79 -85 -89 -95 -96 -97 -97 -98 -98 -99 -99 -100 -99
	•850 •900 •950	1.167 1.153 1.133	1.150 1.123 1.087	1.102 1.097 1.105	1.102 1.105 1.119	1.104 1.108 1.137	1.002 .990 .997	• 900 • 950	1.147 1.138 1.126	1.103	1.075	1.065	1.081	1.00
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.250 1.242 1.257 1.273 1.270 1.322 1.310 1.322	.958 1.046 1.101 1.176 1.239 1.338 1.439	.990 1.050 1.095 1.144 1.187 1.232 1.333 1.385	1.025 1.063 1.089 1.131 1.175 1.242 1.315	.996 1.039 1.078 1.143 1.190 1.251 1.329	.859 .903 .935 .974 1.012 1.063	.560 .580 .600 .620 .640 .660 .680	1.287 1.279 1.290 1.304 1.301 1.346 1.339 1.351	1.019 1.107 1.152 1.215 1.271 1.356 1.468 1.537	1.136 1.167 1.190 1.222 1.244 1.277 1.358 1.393	1.192 1.203 1.201 1.216 1.236 1.286 1.333	1.0194 1.0202 1.0214 1.0233 1.0258 1.0298 1.0348	1.00 1.00 1.00 1.00 1.00
Spoiler Lower	•560 •580 •600 •620 •640 •660 •680 •690		1.657 1.658 1.662 1.663 1.663 1.663 1.661	1.529 1.551 1.554 1.562 1.565 1.577 1.546 1.541	1.373 1.381 1.388 1.386 1.392 1.388 1.388	1.337 1.338 1.341 1.338 1.341 1.344	1.166 1.168 1.174 1.177 1.180 1.177 1.174	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690		1.659 1.661 1.664 1.669 1.670 1.680 1.688 1.699	1.499 1.503 1.512 1.519 1.521 1.526 1.505	1.390 1.390 1.396 1.393 1.397 1.390	1.366 1.371 1.374 1.372 1.383 1.371	1 • 1 · 1 · 2 · 1 • 2 · 1 • 2 · 1 • 2 · 1 • 2 · 1 • 2 · 1 • 2 · 1 • 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •688		1.657 1.661 1.659 1.669 1.670 1.671 1.665	1.518 1.529 1.546 1.561 1.562 1.586 1.664 1.628	1.362 1.371 1.381 1.387 1.392 1.393 1.392 1.390	1.325 1.333 1.338 1.339 1.342 1.342 1.341	1.150 1.165 1.165 1.172 1.183 1.177 1.171	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 688		1.661 1.664 1.662 1.671 1.670 1.662 1.654	1.486 1.497 1.504 1.516 1.515 1.530 1.577	1.380 1.388 1.390 1.396 1.397 1.397	1.360 1.366 1.369 1.372 1.383 1.381 1.377	1.1 1.1 1.1 1.2 1.2 1.2
Deflector Lower	•580 •600 •620 •640 •660 •680	1.278 1.202 1.195 1.200 1.202 1.235 1.296	1.150 1.174 1.204 1.213 1.221 1.200 1.251 1.301	1.174 1.129 1.156 1.152 1.134 1.136 1.211 1.155	1.182 1.107 1.153 1.141 1.135 1.133 1.132	1.156 1.025 1.162 1.123 1.140 1.109 1.173 1.095	.968 .964 .976 .987 .997 1.032 1.046	• 560 • 580 • 600 • 620 • 640 • 660 • 680	1.237 1.165 1.160 1.167 1.168 1.199 1.269 1.113	1.100 1.127 1.156 1.164 1.177 1.158 1.207 1.260	1.127 1.087 1.119 1.117 1.101 1.104 1.176 1.127	1.137 1.073 1.110 1.104 1.097 1.095 1.097	1.134 .995 1.135 1.092 1.110 1.082 1.142 1.073	.9 .9 .9 .9 1.0 1.0

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1.388

1.383

1.387

1.366

1.371

10379

1.390

1.392

1.130

1.091

1.108

1.085

1.142

1.085

1.051

1.130

1.077

1.082

1.088

1.118

1.104

1.154

1.211

TABLE 6 .- PRESSURE COEFFICIENTS - Continued [8 = -0.040 c; 8d = -0.00000 c]

 $\alpha = 10^{\circ}$ α = 80 Pressure coefficient  $C_p$  at  $\frac{v}{b/2} = -$ Pressure coefficient at x/c x/c 0.85 0.97 0.30 0.70 0.85 0.15 0.50 1.311 1.725 1.710 .874 1.398 .000 2.080 1.878 .000 2.016 1.571 2.693 2.019 1.732 1.600 .010 4.190 2.016 2 . 656 .030 1.717 1.598 1.373 .030 4.224 1.597 1.359 3.522 2 . 646 2.000 1.713 1.559 .050 2.081 2 . 646 1.991 1.558 1.593 .075 1.823 2.717 2.001 1.710 1.342 .075 2.171 1.731 .100 1.987 1.705 1.585 1.326 1.922 2.693 1.703 1.559 .100 1 . 953 1.692 1.752 .150 1.564 1.300 . 150 1.604 2.543 1.962 1.694 .200 1.519 1.672 1.534 1.285 1 . 627 2.578 1.937 1.684 1.556 .200 1.929 1.502 1.273 1.671 1.556 1.575 1.922 1.658 .250 1.479 1.416 1.653 1.311 1.879 1.637 1 . 472 1.264 .300 1.503 1.918 1.548 1.259 . 350 1.467 1 . 622 1.906 1 . 643 1 . 541 1.811 1.232 .350 •400 1.859 1.532 1.364 1.190 1.718 1.582 1.409 1.252 . 400 1.384 1.243 • 450 • 500 1.409 1.558 1.302 1.802 1.601 1.518 1.329 .450 1.564 .500 1.314 1.045 1.532 1.502 1.495 1.516 1.215 .986 1.349 . 520 1.371 1.118 1.704 1.570 1.496 1.287 1.083 1.557 1.488 .538 1.305 .945 1.429 1.437 1.424 1.452 1.344 1.742 1.457 1.414 1.210 .710 1.380 1.504 1.210 .720 1.393 1 . 735 1.500 1.448 1.404 .720 .740 1.503 1.393 1.210 1.388 .740 1.351 1.729 1.466 1.374 1.438 1.460 1.389 1.207 .760 1.366 1.702 1 . 482 1.395 1.435 1.202 1 . 654 1.459 1.436 1.389 .780 1.333 1.685 1.303 1.398 1.432 1.645 1.348 1.331 1.193 . 800 1.319 1.570 1.374 1.240 1.420 1.311 1.276 1.179 . 850 1.274 1.353 1.410 1.364 .850 1.081 . 950 950 1.109 1.134 1.075 1.223 1.154 1.240 1.205 1.000 1.000 1.110 Wing •353 •439 •523 •564 •696 •772 .380 .518 .010 .101 .334 . 354 •493 •568 .030 4379 .030 .544 . 877 8 457 .510 .324 .050 .403 .616 .490 .559 .684 •751 •418 •488 .614 .075 .604 .653 . 843 .075 .532 . 594 .876 ·640 •736 675 .660 .100 .700 .751 .669 .762 .789 .818 . 864 .918 . 150 .605 .691 937 ·667 • 777 • 828 .776 .816 .875 .828 .200 .719 .837 . 868 .250 .890 .886 .922 .963 . 250 .952 1.003 •977 .300 .821 . 895 .890 .898 .300 950 937 .958 . 982 .350 .899 .350 953 1.000 .999 1.021 998 1.071 1.038 1.003 1.050 .400 .958 1.021 1.001 0963 .400 1.032 1.064 1.007 1.018 . 996 1.047 • 978 1 • 020 1.018 1.039 1.010 450 1.057 1.041 1.063 .500 1.033 .500 1.085 1.053 1.044 1.057 1.017 1.073 1.053 .952 1.013 .520 1.028 1.033 1.027 1.111 1.066 .520 1.075 1.027 1.084 1.052 1.285 1.160 1.102 1.024 • 540 • 710 1.049 .979 1.261 1.129 1.175 1.129 1.155 1 . 243 1.119 1.170 1.135 1.048 1.148 1.100 1.082 1.151 1.134 .740 .740 1.162 1.116 1.089 1.146 1.151 1.131 1.089 1.085 1.127 1.038 .760 1.137 1.114 1.087 1.086 1 . 136 1.110 1.068 1.092 1.119 1.062 1.121 .780 .800 1.129 1.091 1.066 1.089 1.099 1.030 .800 1.122 1.115 1.088 1.105 .850 1.109 1.063 1.024 . 850 1.105 1.102 1.076 1.110 1.127 1.108 . 900 1.033 .900 1.106 1.086 1.062 1.060 1.066 1.128 1.134 1.052 . 950 1.097 1.067 1.092 1.167 1.170 .950 1.095 1.371 1.364 1.363 •560 •580 .890 1.027 1.447 . 560 973 1.678 1.470 1.458 1.438 .580 1.332 1.205 1 . 638 1.540 1.473 1.472 1.464 1.466 1.465 1.108 1.614 1.535 1.396 1.327 1.200 .600 1.310 1.092 .620 1.321 1.175 1.374 1.331 1.196 . 620 1.372 1.165 1.585 1.521 1.240 1.423 . 640 1.366 1.217 1.527 1.512 1.317 1.337 .640 surface: 1.411 1.402 1.406 .660 1.348 1.343 1.334 1.343 .000 . 660 1.398 1.327 1.518 1.507 .680 1.358 .000 1.391 1 435 1.498 1.506 .680 1.198 1.500 1.389 .690 1.357 1.535 1.387 .560 .560 1.406 1 . 456 1.380 1.392 1.181 .580 1.632 1.635 1.431 1.398 1.384 1.187 .600 1.669 1.689 1.700 1.478 1 . 443 1.371 .600 1.488 1 . 446 .620 1.639 1.447 1.402 1.388 .620 1.648 1.446 1 . 444 1.399 1.392 1.192 . 640 1.378 1.452 1.403 1.201 . 660 1.712 1.482 1.404 .660 1.685 1 4443 1.397 1.403 1.197 . 680 1.713 1.482 . 690 1.716 1.489 1 . 446 .690 • 560 • 580 1.636 1.393 .580 1.412 1.372 1.182 1.471 surface: Upper .600 1.635 1.424 1.397 1 . 439 1.378 1.184 .600 1.667 . 620 1 4 679 1.443 1.484 1.699 . 640 .640 1.643 1 . 447 1.404 1.392 1.188 1.405 1.709 1.452 1.193 . 660 1.488 1 452 1.638 .660 1.460 .680 .680 1.635 1.452 1.410 1.191 1.451 1.416 1.185 . 688 1.707 1.482 .688 1.062 1.116 1.094 1.139 1.017 .560 .580 1.078 1.025 1.061 1.145 1.091 1.055 1.079 .600 1.103 1.122 1.083 1.096 1.012 1.104 1.061 1.078 .620 1.109 1.134 1.082 1.092 1.100 . 620 1.085

TABLE 6 .- PRESSURE COEFFICIENTS - Continued

 $\delta_{s} = -0.040 \, c; \, \delta_{d} = -0.00000 \, c$ 

 $\alpha = 12^{\circ}$ 

α = 14 °

	x/c		Pressure	coefficie	nt Cp a	at $\frac{y}{b/2} = -$	-	x/c	I	Pressure o	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	A/ C	0.15	0.30	0.50	0.70	0.85	0.97	X/C	0.15	0.30	0.50	0.70	0.85	0.97
g Surface: Upper	.000 .010 .030 .075 .100 .150 .250 .350 .350 .450 .520 .520 .571 .720 .740 .780 .880 .850 .950	1.370 2.854 2.995 3.018 2.954 2.853 2.152 1.802 1.609 1.540 1.445 1.339 1.361 1.328 1.228 1.228 1.228 1.228 1.228 1.238 1.238	1.368 2.447 2.445 2.444 2.428 2.417 2.442 2.391 1.228 1.654 1.664 1.664 1.710 1.534 1.659 1.281 1.176 6.624	.964 2.009 1.989 1.984 1.977 1.969 1.953 1.928 1.928 1.928 1.921 1.886 1.8812 1.797 1.793 1.515 1.550 1.550 1.550 1.550 1.510 1.510	1.490 1.719 1.708 1.701 1.708 1.704 1.701 1.699 1.697 1.694 1.656 1.656 1.656 1.459 1.499 1.501 1.501 1.492 1.499 1.492 1.499	.953 1.593 1.589 1.599 1.590 1.590 1.601 1.662 1.662 1.662 1.626 1.625 1.625 1.625 1.626 1.621 1.422 1.428 1.434 1.434 1.436 1.434 1.438 1	1.211 1.401 1.398 1.404 1.415 1.425 1.425 1.425 1.445 1.446 1.428 1.401 1.388 1.388 1.388 1.294 1.288 1.294 1.288 1.298 1.298 1.298 1.291 1.293 1.291 1.293	.000 .010 .030 .075 .100 .200 .350 .350 .450 .520 .538 .710 .720 .740 .780 .880 .850 .950	1.134 2.346 2.335 2.346 2.341 2.317 2.314 2.278 2.199 2.066 1.548 1.606 1.548 1.548 1.548 1.358 1.379 1.356 1.366 1.379 1.376 1.379 1.376	1. 343 2. 254 2. 223 2. 221 2. 214 2. 216 2. 206 2. 198 2. 195 2. 177 2. 129 2. 000 1. 924 1. 905 1. 905 1. 663 1. 663 1. 657 1. 577 1. 481 1. 577	1.080 1.959 1.923 1.923 1.923 1.919 1.908 1.807 1.881 1.875 1.8842 1.811 1.802 1.811 1.8643 1.665 1.66	1.676 1.776 1.774 1.748 1.749 1.744 1.747 1.755 1.755 1.755 1.761 1.762 1.722 1.732 1.526 1.524 1.554 1.555	1.112 1.641 1.639 1.6639 1.6631 1.6631 1.6660 1.672 1.6691 1.6678 1.664 1.664 1.657 1.479 1.476 1.518 1.518 1.518 1.518	1.307 1.414 1.412 1.412 1.446 1.445 1.446 1.445 1.445 1.445 1.45 1.45 1.45 1.45 1
Wing	.010 .030 .075 .100 .200 .3300 .350 .450 .540 .520 .540 .710 .760 .780 .850 .850 .850 .850	*093 *203 *295 *383 *451 *563 *622 *771 *855 *914 *979 *991 *130 *14128 *14121 *1510 *16106 *	*330 *350 *417 *488 *547 *650 *730 *787 *908 *988 *967 1*018 1*020 1*220 1*236 1*018 1*115 1*114 1*114 1*114 1*1098	*346 *415 *478 *561 *601 *698 *745 *806 *892 *984 *966 1*012 1*024 1*123 1*131 1*095 1*103 1*087 1*105 1*130	.365 .444 .506 .574 .630 .715 .777 .836 .849 .910 .942 .983 1.001 1.009 1.064 1.170 1.155 1.092 1.1092	.423 .800 .629 .980 .774 .884 .970 1.002 1.002 1.027 .942 1.025 1.139 1.128 1.128 1.128 1.128 1.128 1.143 1.174	.520 .637 .721 .795 .844 .399 .946 .963 .983 .000 .0.17 1.025 1.047 1.041 1.04	*010 *030 *050 *075 *100 *150 *250 *350 *450 *520 *520 *710 *740 *760 *780 *850 *850 *990	.072 .177 .265 .352 .419 .530 .593 .657 .738 .822 .883 .948 .966 .968 .992 1.119 1.113 1.114 1.114 1.116 1.119	333 335 336 459 511 600 745 811 952 935 1022 1191 1022 1191 1022 1191 1022 1111 1112 1090 1126	.349 .347 .442 .513 .550 .648 .703 .22 .860 .951 .937 .991 1.002 1.108 1.128 1.104 1.109 1.116 1.1099 1.114 1.179	- 361 - 415 - 473 - 529 - 599 - 679 - 745 - 803 - 844 - 990 - 1006 - 1057 - 182 - 1168 - 1182 - 116 - 128 - 1152 - 129 - 12	.406 .722 .588 .946 .735 .815 .886 .912 .955 .985 1.012 .955 1.012 .154 1.163 1.149 1.152 1.178	.505 .614 .695 .777 .827 .887 .962 .979 .997 1.001 1.002 1.003 1.003 1.003 1.003 1.004 1.009 1.009 1.009 1.009
r surface: Upper	•560 •580 •600 •620 •640 •660 •680	1.384 1.370 1.363 1.365 1.350 1.384 1.369 1.373	1.523 1.556 1.509 1.491 1.470 1.492 1.538 1.574	1.773 1.753 1.735 1.720 1.681 1.680 1.655 1.656	1.641 1.645 1.642 1.651 1.662 1.682	1.573 1.563 1.566 1.563 1.571 1.574 1.581	1.368 1.357 1.346 1.335 1.331 1.329	.560 .580 .600 .620 .640 .660 .680	1.510 1.480 1.461 1.446 1.414 1.435 1.409	1.826 1.838 1.800 1.779 1.743 1.710 1.708	1.798 1.794 1.798 1.795 1.794 1.806 1.814 1.828	1.736 1.751 1.763 1.777 1.804 1.825 1.813	1.666 1.668 1.674 1.686 1.704 1.713	1.401 1.394 1.387 1.375 1.381 1.390
Spoiler	•560 •580 •600 •620 •640 •660 •680		1.678 1.693 1.704 1.715 1.718 1.725 1.727 1.729	1.528 1.534 1.539 1.540 1.540 1.539 1.548 1.557	1.474 1.478 1.484 1.485 1.494 1.484	1.380 1.388 1.396 1.400 1.413 1.408	1.231 1.240 1.247 1.256 1.270 1.272 1.269	.560 .580 .600 .620 .640 .660 .680		1.664 1.671 1.673 1.672 1.667 1.671 1.671	1.606 1.612 1.622 1.631 1.633 1.633 1.640 1.642	1.487 1.490 1.501 1.503 1.514 1.506 1.499	1.432 1.440 1.450 1.457 1.471 1.464	1:252 1:266 1:279 1:285 1:298 1:298
or surface: Upper	•560 •580 •600 •620 •640 •660 •680 •688		1.680 1.694 1.704 1.713 1.722 1.728 1.725 1.718	1.520 1.524 1.534 1.532 1.550 1.543 1.547 1.539	1.464 1.466 1.475 1.480 1.489 1.497 1.500 1.495	1.370 1.376 1.384 1.388 1.404 1.413 1.419	1.224 1.227 1.232 1.237 1.247 1.257 1.250 1.240	.560 .580 .600 .620 .640 .660 .680		1.671 1.674 1.675 1.677 1.675 1.671 1.669 1.655	1.595 1.609 1.619 1.626 1.639 1.642 1.649 1.637	1.478 1.480 1.484 1.492 1.506 1.515 1.514	1.421 1.424 1.435 1.441 1.460 1.469 1.472	1.245 1.247 1.255 1.260 1.274 1.277 1.274
Deflector	.580 .600 .620 .640 .660	1.110 1.049 1.047 1.059 1.068 1.108 1.180 1.094		1.053 1.028 1.056 1.064 1.052 1.066 1.139 1.091	1.083 1.034 1.071 1.071 1.077 1.080 1.088 1.096	1.111 1.017 1.121 1.087 1.104 1.087 1.143 1.090	1.018 1.019 1.044 1.049 1.064 1.109 1.107 1.069	• 660 • 680	1.025	.982 1.017 1.053 1.067 1.086 1.076 1.136 1.191	1.035 1.011 1.045 1.053 1.047 1.060 1.138 1.091	1.078 1.033 1.070 1.075 1.079 1.085 1.097	1.11 1.025 1.123 1.094 1.109 1.095 1.151 1.099	1.001 1.025 1.055 1.058 1.072 1.118 1.116 1.076

TABLE 6 .- PRESSURE COEFFICIENTS - Continued

 $\delta_{s} = -0.040 c; \delta_{d} = -0.00000 c$ 

 $\alpha = 18^{\circ}$ 

_			ressure	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$			P	ressure co	efficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
-								000	1.052	1.346	1.172	1.975	1.272	1.41
	•000	1.088	1.348	1.146	1.835	1.209 1.672	1.383	.000	1.980	1.967	1.911	1.775	1.657	1.41
	•010	2.164	2.079	1.913	1.764	1.662	1.430	.030	1.947	1.941	1.884	1.757	1 . 648	1.41
	.030	2.145	2.079	1.905	1.769	1.661	1.434	• 050	1.946	1.939	1.879	1.762	1.648	1.41
	.075	2.145	2.078	1.901	1.768	1.662	1.440	.075	1.949	1.939	1.875	1.760	1.650	1.41
	.100	2.145	2.083	1.893	1.764	1.661	1.445	.100	1.956	1.945	1.871	1.757	1.644	1 . 42
	.150	2.132	2.082	1.888	1.763	1.668	1.455	. 150	1.962	1 . 949	1.868	1.757	1.651	1.43
1	•200	2.118	2.075	1.882	1.769	1.677	1.470	.200	1.951	1.947	1.861	1.756	1.653	1.43
	•250	2.102	2.072	1.874	1.769	1.686	1.478	• 250	1.953	1.951	1.862	1.757	1.661	1 . 44
	•300	2.059	2.070	1.867	1.774	1.694	1.483	• 300	1.944	1.951	1.859	1.758	1 . 664	1 . 44
	•350	1.995	2.060	1.860	1.773	1.700	1.486	• 350	1.933	1.952	1.854	1.755	1.665	1 . 45
4	•400	1.924	2.042	1.849	1.772	1.698	1.480	• 400	1.923	1.948	1.849	1.755	1.670	1 . 44
70440	• 450	1.842	2.019	1.840	1.762	1.692	1.466	• 450	1.903	1.941	1.842	1.760	1.676	104
5	.500	1.801	1.982	1.827	1.757	1.688	1.450	• 500	1.893	1.933	1.836	1.768	1.680	1 . 43
	•520	1.760	1.968	1.825	1.764	1.691	1.440	• 520	1.881	1.927	1.838	1.786	1.691	1 0 4 4
	•538	1.771	1.964	1.826	1.772	1.687	1.437	•538	1.898	1.921	1.842	1.798	1.689	1.36
	.710	1.539	1.766	1.689	1.563	1.513	1.354	•710	1.742	1 . 828	1,688	1.570	1.521	1.36
	.720	1.539	1.753	1.680	1.559	1.510	1.347	.720	1.728	1.824	1.681	1.569	1.525	1.3
1	•740	1.542	1.752	1.689	1.570	1.530	1.352	.740	1.741	1.827	1.691	1.584	1.539	
	.760	1.511	1.740	1.685	1.581	1.543	1.362	.760	1.712	1.819	1.691	1.596	1.558	1.31
	.780	1.514	1.728	1.681	1.595	1.554	1.367	.780	1.717	1.813	1.694	1.609	1.567	1.39
		1.482	1.724	1.681	1.607	1.561	1.366	.800	1.689	1.806	1.696	1.627	1.575	1.3
	.800 .850	1.431	1.642	1.661	1.607	1.579	1.373	.850	1.634	1.748	1.675	1.642	1.597	1 . 4
	950	1.431	1.478	1.557	1.549	1.489	1.320	• 950	1.436	1.595	1.581	1.593	1.528	1.3
	1.000	1.247	•643	1.267	1.478	1.442	1.259	1.000	1.363	. 657	1.292	1.528	1.485	1.2
	1.000	10271		2020.								27/	411	. 5
	.010	•071	.340	•355	.368	.406	•510	.010	•044 •128	.340	• 359 • 364	• 376 • 383	.411	•5
	.030	•071 •152	• 325	•374	• 399	700	.606	.050	.215	. 353	. 406	.426	.724	.6
	.050	.242	• 376	•417	• 446	•728	•686	.075	.301	• 407	. 464	.480	4589	.7
	.075	.329	• 435	.485	.505	•593	•770	.100	.363	. 455	.512	.538	•761	•7
	.100	•394	.488	•530	.565	• 955	.820	. 150	.471	.549	.598	.622	.692	.8
	•150	.506	•582	•625	.646	•721	.888		.533	.627	.653	.690	.770	. 9
	.200	.569	•663	•675	.719	.800	• 938	• 200	.603	.683	•716	.758	.826	.9
	.250	.636	•718	•741	•778	.853	• 963	• 250	.684	. 752	.781	.801	.879	09
	.300	•717	• 785	.801	.822	.903	•988			. 816	.818	.855	.925	. 9
	•350	.800	.847	.833	.871	• 949	1.003	• 350	.776 .831	. 900	.908	.896	.963	1.0
[ G	.400	.865	.926	•931	.912	•986	1.025	• 400		. 893	905	944	1.000	1.0
Lower	.450	.933	.916	•922	• 953	1.019	1.039	• 450	•901 •927	957	.960	6975	1.014	1.0
니니	.500	.954	• 975	•976	. 985	1.030	1.059	• 500	.933	.992	. 982	. 987	.936	1.0
	.520	.950	1.008	•993	1.000	• 942	1.048	•520	956		1.087	1.044	1.031	1.0
	.540	• 982	1.180	1.094	1.052	1.036	1.037	.540		1. 167		1.204	1.174	1.0
	•710	1.124	1.239	1.150	1.198	1.174	1.052	• 710	1.120	1 • 255	1.147	1.195	1.182	1.1
	.740	1.124	1.103	1.114	1.188	1.176	1.119	• 740	1.125	1.114			1.189	101
	.760	1.121	1.125	1.131	1.129	1.183	1.118	.760	1.128	1.139	1.137	1.134		1.1
	.780	1.154	1.129	1.114	1.137	1.167	1.110	•780	1.162	1.150	1.118	1.149	1.177	1.1
	.800	1.122	1.107	1.130	1.148	1.173	1.118	.800	1.131	1.131	1.134	1.162	1.186	1.1
	.850	1.121	1.159	1.169	1.175	1.206	1.124	.850	1.142	1.198	1.181	1.199	1.217	101
	.900	1.147	1.185	1.216	1.229	1.243	1.148	• 900	1.181	1.236	1.233	1.256	1.265	1.2
	950	1.165	1.221	1.283	1.290	1.301	1.182	• 950	1.222	1.289	1.300	1.318	1.327	102
								540	1.885	1 - 010	1.849			
- I	.560	1.743	1.927	1.829	1 700	1.701	1.431	• 560	1.871	1.919	1.859	1.817	1.707	104
	•580	1.719	1.935	1.832	1.788		1.430	.600		1.921	1.864	1.828	1.721	104
9	.600	1.693	1.920	1.838	1.805	1.708 1.721	1.428	.620		1.921	1.879	1.839	1.731	104
Upper	•620	1.674	1.910	1.848	1.816		1.429	.640		1.924	1.893	1.849	1.743	104
n	•640	1.642	1.894	1.859	1.840	1.736	1.440	.660		1.924	1.914	1.870	1.752	104
	•660	1 6 6 4 1	1.868	1.879	1.875	1.756	1.440	.680		1.943	1.929	1.882	1.757	10
	•680	1.613	1.883	1.898	1.875	1.763	1.469	.690		1.951	1.941	1.872	1.755	1 . 5
	•690	1.608	1.897	1.913	14010	10120	1040)							
4	•560		1.724	1.641				.560		1.781 1.789	1.641			
1	•580		1.727	1.650	1.515	1.462	1.285	.580		1.789	1.651	1.527	1.482	10
er	•600		1.728	1.659	1.524	1.472	1.300	0600		1.797	1.657	1.532	1.490	
	•620		1.733	1.669	1.528	1.482	1.311	. 620		1.803	1 . 665	1.539	1.497	14
MOr	•640		1.724	1.670	1.536	1.486	1.318	ø 640		1.803	1.665	1.546	1.503	1.
H	•660		1.728	1.676	1.544	1.500	1.336	• 660		1.811	1.677	1.559	1.517	
	•680		1.736	1.671	1.537	1.498	1.337	• 680		1.811	1.668	1.549	1.510	1.
	•690		1.760	1.672	1.530	1.491	1.330	• 690		1.818	1.668	1.540	10000	1.
			1 2 20				1.070	.560		1.781	1.635	1.513	1.469	1.
	•560		1.726	1.636	1.505	1 . 452	1.279	• 580		1.788	1.642	1.519	1.475	1.
	•580		1.727		1.510	1 • 456	1.290	.600		1.795	1.652	1.526	1.484	1 .
9	•600		1.730		1.518	1.475	1.298	.620		1.801	1.661	1.538		1.
· bb	•620		1.734				1.311	. 640		1.807		1.555	1.508	1.
30	•640		1.729		1.539			. 660		1.810	1.678	1.566	1.515	1.
ומ	•660		1.726		1.554			680		1.811		1.560		1.
Upper	•680		1.727		1.549			688		1.810		1.554		1.
2	•688		1.719	1.016	1,543	10 771	1.000							
ector	.540	1.076	•967	1.028	1.070	1.116	1.001	.560	1.054	1.000	1.020	1.072	1.108	10
0	.580	1.021	1.009	1.008	1.033	1.035	1.046	• 580	1.001			1.066		1.
i i	0600	1.021						.600	1.005	1.042		1.076		1.
	0620	1.030			1.076	1.104		062	1.019	1.063	1.044			1.
Je Je	1 .640	1.050				1.123	1.099	0 64	1.036	1.085				1.
Ower							1.141		1.08	1.079			1.169	1.
Lowe		1 + 0.9 2												
Lowe	•660	1.092			1.103	1.169	1.141		0 1.160 B 1.120					1.

TABLE 6 .- PRESSURE COEFFICIENTS - Continued

 $\delta_{\rm S} = -0.040 \, \rm c; \, \delta_{\rm d} = -0.00000 \, \rm c$ 

 $\alpha = 20^{\circ}$ a = 22 ° Ср Cp at Pressure coefficient at  $\frac{y}{b/2} =$ x/c 0.97 0.85 0.97 1.185 1.331 1.820 1.806 1.193 1.757 1.736 .000 1.029 1.326 1.441 .000 1.032 1 . 334 1.377 1.425 1.711 .030 1.809 .030 1.707 1.616 1.634 1.431 1.704 1.729 .050 1.783 1.804 1.797 1 . 637 . 050 1.613 1.411 1.799 1.703 1.715 .075 1.805 .075 1.729 1.789 1.816 1.414 .100 1.635 1.435 .100 1.729 1.613 1.798 1.820 1.799 1.713 .150 1.639 1 . 443 . 150 1.729 1.730 1.619 1.421 1.448 1.640 .200 1.734 1.726 1 . 425 1.622 1.792 1.789 1.790 .250 1.800 1.830 1.643 1.448 . 250 1.721 1.740 1.726 1.626 1.427 1.728 .300 1.834 1.812 1.656 1.453 .350 1.753 1.733 1.432 1.838 1.639 •400 •450 1.816 1.841 1.793 1.662 1.456 · 400 • 450 1.743 1.760 1.740 1.651 1.434 .500 1.827 1 . 847 1.810 1 4 688 1.463 .500 1.764 1.780 1.768 1.680 1 4449 •520 •538 1.845 1.765 1.779 1.455 .520 1.774 1.686 1.824 .538 1.826 1.697 1.474 1.681 •710 •720 •740 •710 •720 1.798 1.411 1.743 1.564 1.405 1.793 1.651 1.549 1.767 1.627 1.654 1.550 1.765 1.630 1.786 1.794 .740 1.807 1.665 1.566 1.415 1.764 1.757 1.640 1.579 1.411 .760 1.787 1.813 1.674 .760 1.765 1.765 1.651 1.592 1.799 1.794 1.786 1.775 .780 1.816 1.677 1.592 1.431 .780 1.769 1.659 1.604 1.425 1.604 1.435 1.666 1.430 .800 1.816 1.683 . 800 1.613 1.679 .850 1.632 .950 1.650 1.697 1.607 1.569 1.411 . 950 1.730 1.623 1.593 1.414 1.000 1.530 1.355 1.358 1.326 ing .010 .030 • 420 . 425 .724 .679 .050 .187 .388 •649 •733 .368 .633 .713 .336 .050 .168 . 317 .075 .384 .441 •587 .075 . 358 ·416 .100 .332 .428 .485 .643 .786 .100 .306 . 403 0594 .761 • 440 .517 • 667 .150 •544 .150 .570 .857 . 486 .839 .627 . 564 .913 •724 •787 .894 .946 .973 .250 .570 .658 .695 A 805 . 250 .545 . 624 . 664 .926 .652 .860 .626 .691 .723 . 959 .838 .350 .745 .791 .796 .911 . 350 .723 . 753 .773 .892 .982 • 400 .874 . 833 .872 .450 .874 .891 .991 1.051 . 450 .851 . 850 .871 .983 1.036 •942 •954 .500 .500 .903 1.007 1.075 .882 . 914 .939 1.000 .520 .911 .932 .892 . 953 . 956 .931 1.043 1.027 1.039 1.133 1.033 .540 .937 1.160 1.078 .540 . 917 1.059 1.117 1.158 1.184 .710 1.112 1.161 1.186 1.075 .740 1.127 1.129 1.131 1.190 1.163 1.124 1.123 1.133 1.197 1.155 •760 •780 1.131 1.156 .760 1.162 1.200 1.164 1.207 1.172 1.137 1.192 1.156 1.175 1.175 1.140 1.197 1.146 .800 .850 1.146 1.153 1.161 1.158 1.155 1.198 1.167 .800 1.160 1.236 1.202 . 850 1 . 245 1.236 1.176 1.244 1.173 1.277 .900 1.232 1.295 1.267 1.289 1.202 . 900 1.262 1.310 1.295 1.359 . 950 1.392 1.249 •560 •580 •560 1.789 1.485 1.716 1.694 1.821 1.857 1.724 1.496 .600 .620 1.778 1.808 1.700 1.478 .600 1.850 1.801 1.862 .640 1.809 1.864 1.880 1.736 1.513 . 640 1.770 1.808 1.832 1.711 1.494 1.812 1.899 1.533 .660 .680 1.810 .660 1.874 1.746 1.852 1.752 1.819 1.866 1.722 1.526 .690 1.805 1.890 1.916 1.746 1.560 .690 1.770 1 . 826 1 . 866 •560 1.760 1.602 1.707 1.578 .560 1.509 .580 1.766 1.608 1.353 .580 1.711 1.530 .600 1.770 .600 1.520 1.366 1.715 1.585 1.536 1.363 1.775 1.621 .620 .640 1.717 .620 1.528 1.373 1.595 1.546 1.373 1.531 1.383 1.601 1.547 1.378 1.723 1.726 1.734 .660 1.781 1.646 1.548 1.400 .660 1.619 1.560 1.393 1.781 .680 1.633 . 680 1.606 1.556 1.396 .690 1.631 1.533 1.396 .690 1.603 1.549 1.396 1.763 1.766 1.769 1.772 1.602 1.604 1.613 1.342 1.349 1.356 •560 •580 •600 1.712 1.715 1.714 •560 1.502 1.506 .600 1.588 1.532 1.357 .620 1.624 1.519 1.364 . 620 1.716 1.594 1.541 1.361 1.776 .640 1.628 1.606 1.649 1.726 1.544 1.383 .660 1.622 1.560 1.380 .680 1.783 1.657 1.542 1.377 . 680 1.563 .688 1.647 1.779 1.538 1.369 .688 1.727 1.619 1.366 Deflector •947 •995 1•041 1.015 .995 1.032 1.003 .980 1.020 •560 .560 926 1.100 .600 •977 •992 1.018 1.129 1.106 .600 1.131 1.099 .620 1.007 1.060 1.041 1.104 .620 1.046 1.035 1.025 1.088 1.048 .640 .640 1.014 1.129 1.038 1.122 1.118 1.071 1.063 .660 .680 1.060 1.070 1.058 1.171 .660 1.083 1.109 1.178 1.107 1.172 1.153 1.170 .688 1.155 1.217 1.099 1.123 1.137 .688 1.194 1.209 1.100 1.123 1.128

TABLE  $^6$  .- PRESSURE COEFFICIENTS -Concluded  $\left[\delta_{_{\rm S}}=^{-0*040}{\rm c};\;\delta_{_{\rm d}}=^{-0*00000}{\rm c}\right]$ 

\_ \_ 230

a = \* 0

_		D	ressure c	= 23°	C <sub>n</sub> at	<u>y</u> = _			F		a = "coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	-
	x/c					$\frac{y}{b/2} = -$	0.05	x/c		1		0.70	0.85	0.97
-		0.15	0.30	0.50	0.70	0.85	0.97		0.15	0,30	0.50	0.70	0.00	0.01
Upper	.050 .075 .100 .150 .200 .250 .300 .350 .450 .500 .538	1.051 1.669 1.666 1.666 1.666 1.679 1.679 1.689 1.704 1.724 1.724 1.724 1.725 1.732 1.732 1.732 1.733 1.733 1.733 1.733 1.733	1.685 1.674 1.677 1.667 1.6670 1.6995 1.6995 1.710 1.710 1.710 1.712 1.726 1.734 1.734 1.754 1.754 1.754 1.753 1.754 1.753 1.754 1.753 1.754 1.753 1.754 1.754 1.753 1.754 1.7	1.221 1.729 1.716 1.710 1.710 1.710 1.712 1.712 1.712 1.712 1.713 1.723 1.728 1.728 1.774 1.770 1.675 1.676 1.676 1.652 1.653 1.653	1.6743 1.662 1.6660 1.658 1.6661 1.6661 1.6668 1.673 1.683 1.6949 1.728 1.738 1.738 1.583 1.591 1.602 1.613 1.623	1.418 1.614 1.612 1.614 1.617 1.617 1.621 1.627 1.632 1.653 1.656 1.677 1.677 1.677 1.677 1.677 1.678	1.436 1.420 1.426 1.426 1.426 1.430 1.430 1.439 1.439 1.436 1.448 1.456 1.476 1.476 1.433 1.434 1.434	**O00 **O10 **O30 **O50 **O75 **O00 **O50 **O50 **O00 **O50 **O50 **O00 **O50 **O50 **O50 **O50 **O75						
	.800 .850	1.751 1.766 1.768	1.743 1.747 1.712	1.663 1.668 1.631	1.640 1.657 1.646	1.624 1.642 1.613	1 • 448 1 • 455 1 • 444	.800 .850 .950						
	1.000	1.733	•673	1.390	1.594	1.582	1.408	1.000						
Lower	010 030 075 100 220 250 330 450 5520 5540 7710 7760 8780 890 990	017 0175 151 233 292 392 456 523 608 750 862 879 862 870 1108 1118 1159 1174 1257 1373	3349 2778 302 343 484 466 5543 601 667 7730 8893 893 1246 1109 1143 1.156 1.145 1.222 1.298 1.385	.990 .341 .356 .402 .438 .524 .580 .642 .706 .753 .847 .859 .923 .943 1.044 1.152 1.125 1.125 1.135 1.135	*411 *369 *390 *494 *486 *561 *693 *747 *806 *853 *908 *945 *963 1.022 1.150 1.163 1.177 1.221 1.221 1.374	. 427 .673 .499 .571 .626 .710 .770 .826 .881 .973 .993 .941 1.018 1.192 1.203 1.195 1.203 1.195 1.203 1.302 1.302 1.302	.530 .555 .625 .699 .751 .827 .821 .975 1.009 1.037 1.051 1.055 1.039 1.078 1.167 1.166 1.157 1.172 1.182	010 030 050 075 1100 200 250 3300 350 450 500 740 770 780 880 990 950						
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.724 1.722 1.730 1.732 1.728 1.731 1.732	1.758 1.761 1.768 1.772 1.772 1.778 1.785 1.789	1.772 1.784 1.790 1.800 1.813 1.828 1.847	1.750 1.753 1.757 1.766 1.776 1.783	1.686 1.693 1.699 1.704 1.711 1.714	1.485 1.489 1.494 1.501 1.507 1.518	.560 .580 .600 .620 .640 .660						
Spoiler Lower	•560 •580 •600 •620 •640 •660 •680 •690		1.675 1.681 1.685 1.687 1.688 1.695 1.696	1.579 1.587 1.589 1.596 1.603 1.616 1.605	1.551 1.558 1.565 1.571 1.580 1.574 1.565	1.543 1.550 1.557 1.553 1.572 1.566	1.374 1.383 1.391 1.397 1.415 1.416	• 560 • 580 • 600 • 620 • 640 • 660 • 680						
Deflector surface:	.560 .580 .600 .620 .640 .660 .680		1.681 1.685 1.686 1.688 1.689 1.696 1.693	1.577 1.580 1.584 1.596 1.607 1.622 1.627	1.548 1.552 1.561 1.577 1.587	1.539 1.544 1.549 1.564 1.569	1.374 1.378 1.383 1.390 1.401 1.397	. 560 . 580 . 600 . 620 . 640 . 660 . 680						
Deflector	•560 •580 •600 •620 •640 •640 •680 •688	948 959 979 994 1040 1127	.943 .998 1.025 1.052 1.051 1.126	.967 1.007 1.025 1.027 1.047	1.012 1.057 1.062 1.077 1.091 1.103	1.015 1.123 1.089 1.116 1.099	1.068 1.097 1.106 1.128 1.176 1.178	. 560 . 580 . 600 . 62 . 64 . 66 . 68 . 68						

TABLE 7 .- PRESSURE COEFFICIENTS

 $\left[\delta_{s} = -0.060 \, c; \, \delta_{d} = -0.00000 \, c\right]$ 

α = **-4** 0

α = **-**2 <sup>0</sup>

	1-		Pressure	coefficier	nt Cp a	$\frac{y}{b/2} = -$	-	-/-	F	ressure c	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Surface: Upper	.000 .010 .030 .050 .075 .200 .350 .330 .330 .350 .400 .520 .520 .740 .760 .760 .850 .850 .850	1.311 .660 .813 .874 .882 .909 .954 .972 1.005 1.016 1.004 1.010 .989 1.259 1.259 1.259 1.259 1.337 1.332 1.335 1.336 1.271 1.336 1.337 1.336 1.3	2.373 .586 .768 .832 .872 .906 .933 .954 .957 .963 .996 .919 .865 .742 .675 .590 1.785 1.780 1.780 1.787 1.650 1.158	3.548 .500 .682 .756 .807 .840 .880 .895 .888 .903 .907 .895 .888 .806 .717 .662 .587 1.677 1.677 1.674 1.663 1.654 1.655 1.655 1.655 1.655 1.655 1.655 1.655 1.602 1.398	2.141 .424 .607 .682 .741 .783 .837 .861 .873 .881 .671 .679 .621 1.298 1.308 1.308 1.308 1.313 1.322	1.709 .419 .630 .703 .768 .807 .869 .894 .914 .912 .881 .843 .735 .669 .633 1.284 1.309 1.317 1.305	1.005 .507 .714 .808 .856 .901 .949 .962 .963 .955 .934 .917 .840 .806 .7214 1.190 1.212 1.223 1.221 1.221	.000 .010 .030 .050 .075 .100 .150 .200 .250 .300 .350 .400 .520 .520 .520 .740 .740 .760 .780 .780 .880	*323 *982 1.019 1.021 1.038 1.057 1.061 1.087 1.075 1.07	.994 .900 .988 1.007 1.019 1.038 1.049 1.035 1.026 .986 .908 .778 .703 .613 1.822 1.828 1.798 1.788 1.798 1.788 1.788	2.106 .716 .852 .902 .935 .953 .964 .974 .967 .944 .911 .827 .733 .670 .579 1.663 1.657 1.669	1.312 .606 .788 .844 .882 .915 .950 .956 .955 .952 .973 .710 .646 1.357 1.352 1.354 1.364 1.367 1.358	1.564 .505 .740 .809 .861 .895 .945 .950 .955 .957 .988 .679 .671 1.324 1.322 1.322 1.322	.506 .650 .838 .900 .932 .957 .977 .975 .945 .945 .830 .840 .744 1.235 1.238 1.238 1.238 1.238 1.238 1.238
Lower Wing Su	1.000  .010 .030 .050 .075 .100 .200 .250 .350 .400 .520 .450 .710 .740 .760 .780 .800 .850 .900 .950	1.045 1.495 1.231 1.189 1.189 1.295 1.205 1.205 1.205 1.205 1.349 1.349 1.355 1.355 1.355 1.355 1.351 1.301 1.303 1.200 1.	1.725 1.516 1.416 1.364 1.364 1.364 1.377 1.358 1.375 1.438 1.437 1.263 1.263 1.263 1.263 1.266 1.286 1.286	2.053 1.756 1.608 1.552 1.458 1.368 1.368 1.377 1.349 1.327 1.333 1.252 1.207 1.238 1.208 1.208 1.215	2.135 1.850 1.703 1.566 1.881 1.392 1.352 1.344 1.309 1.276 1.276 1.272 1.230 1.1230 1.175 1.175 1.175	1.059 1.947 1.745 1.630 1.412 1.325 1.320 1.297 1.285 1.229 1.274 1.266 1.220 1.215 1.215 1.224	1.734 1.453 1.405 1.294 1.207 1.169 1.152 1.152 1.154 1.151 1.045 1.151 1.045 1.151 1.045 1.151 1.045 1.151 1.045 1.151 1.045	1.000  .010 .030 .050 .075 .100 .150 .290 .250 .300 .450 .500 .520 .710 .740 .780 .800 .950	1.122 1.150 1.084 1.077 1.067 1.067 1.156 1.136 1.234 1.313 1.3347 1.3347 1.338 1.338 1.3311 1.298 1.299 1.155	1.337 1.269 1.230 1.223 1.273 1.276 1.300 1.297 1.318 1.332 1.316 1.342 1.363 1.540 1.265 1.255 1.255 1.255 1.266 1.265 1.265 1.265 1.265 1.265 1.264 1.265	1.588 1.444 1.376 1.379 1.340 1.280 1.280 1.299 1.325 1.299 1.309 1.309 1.309 1.203 1.203 1.203 1.203 1.208	1.217 1.769 1.531 1.451 1.382 1.381 1.326 1.314 1.315 1.290 1.282 1.262 1.262 1.261 1.294 1.315 1.294 1.217 1.	1.392 1.885 1.611 1.411 1.303 1.313 1.278 1.267 1.263 1.225 1.225 1.271 1.275 1.224 1.219 1.214 1.221	1.002 1.601 1.375 1.274 1.222 1.178 1.131 1.121 1.115 1.112 1.115 1.018 1.097 1.202 1.199 1.199 1.199 1.199 1.199
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.065 1.069 1.101 1.141 1.159 1.239 1.255 1.281	•555 •716 •819 •936 1•031 1•147 1•371 1•491	•594 •717 •821 •914 1•008 1•108 1•306 1•437	.692 .780 .826 .897 .967 1.060	•720 •812 •887 •981 1•055 1•147 1•259	.806 .852 .893 .926 .976 1.036	.560 .580 .600 .620 .640 .660 .680	1.102 1.107 1.137 1.174 1.191 1.275 1.289 1.317	• 575 • 745 • 851 • 975 1• 068 1• 183 1• 407 1• 522	.591 .737 .842 .939 1.032 1.125 1.316	•719 •811 •865 •939 1•006 1•116	•723 •820 •898 •993 1•071 1•172 1•297	•794 •856 •900 •944 •992 1•064
Spoiler Lower	•560 •580 •600 •620 •640 •660 •680 •690		1.800 1.797 1.800 1.805 1.801 1.801 1.800	1.642 1.653 1.665 1.667 1.682 1.696 1.681 1.685	1.202 1.219 1.233 1.256 1.277 1.271	1.328 1.332 1.324 1.317 1.316 1.311 1.294	1.203 1.222 1.228 1.228 1.228 1.228 1.220 1.197	.560 .580 .600 .620 .640 .660 .680		1 • 80 9 1 • 80 8 1 • 81 3 1 • 81 3 1 • 81 2 1 • 81 5 1 • 82 4	1.627 1.638 1.645 1.655 1.666 1.682 1.670	1.258 1.269 1.283 1.303 1.324 1.319	1.340 1.339 1.335 1.323 1.326 1.325	1.227 1.233 1.234 1.231 1.237 1.237
: surface: Upper	•560 •580 •600 •620 •640 •660 •680 •688		1.792 1.797 1.799 1.805 1.811 1.801 1.807	1.627 1.644 1.659 1.674 1.681 1.709 1.719	1.151 1.172 1.195 1.221 1.267 1.285 1.271 1.248	1.306 1.315 1.324 1.316 1.324 1.311 1.312 1.309	1 • 187 1 • 195 1 • 213 1 • 210 1 • 225 1 • 209 1 • 214 1 • 202	.560 .580 .600 .620 .640 .660 .680		1.811 1.810 1.808 1.813 1.819 1.813 1.817 1.797	1.609 1.628 1.644 1.657 1.660 1.692 1.724 1.682	1.226 1.242 1.261 1.280 1.310 1.333 1.318 1.302	1.321 1.327 1.326 1.323 1.320 1.321 1.321	1.215 1.217 1.223 1.225 1.229 1.226 1.223
Deflector Lower	•580 •600 •620 •640 •660 •680	1.431 1.364 1.355 1.351 1.343 1.357 1.391 1.152	1.314 1.326 1.343 1.342 1.344 1.318 1.353 1.409	1.302 1.274 1.297 1.279 1.262 1.254 1.276 1.262	1.301 1.240 1.258 1.242 1.225 1.219 1.206 1.189	1.239 1.273 1.260 1.233 1.243 1.233 1.227 1.208	1.040 1.140 1.196 1.208 1.232 1.284 1.274 1.243	.600 .620 .640 .660	1.412 1.334 1.326 1.327 1.318 1.342 1.390 1.146	1.290 1.308 1.332 1.334 1.339 1.311 1.360	1.278 1.253 1.282 1.265 1.249 1.245 1.276 1.256	1.310 1.246 1.266 1.257 1.251 1.246 1.240	1.227 1.268 1.255 1.229 1.241 1.238 1.231	.998 1.056 1.109 1.129 1.144 1.207 1.226 1.190

TABLE 7 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{S} = -0.060c; \delta_{d} = -0.00000c\right]$ 

a = 20  $\alpha = 00$ Pressure coefficient Cp at  $\frac{y}{b/2} = -$ Pressure coefficient at  $\frac{y}{b/2} = -$ Cp x/c x/c 0.97 0.70 0.85 0.85 0.97 0,30 0.50 .324 .308 .000 4497 4214 .502 4929 .345 .905 .010 1.760 1.606 1.522 1.407 1.216 .946 .797 1 . 835 1.286 1.117 .010 1.357 1.224 1.191 1.174 1.491 1.368 1.305 1.154 .030 1.196 1.091 1.013 . 935 .030 1.214 1.112 1.289 1.210 1.082 1.006 - 050 1.381 1.370 .050 1.216 1.155 .990 1.006 1.281 1.307 1.236 1.186 1.073 1.140 .075 1.138 1.067 1.028 1.176 1.064 1.034 1.290 1.075 .996 1.013 .100 1.262 .100 1.047 1.242 1.136 1.031 . 150 1.226 1.167 1.145 .150 1.151 1.113 1.059 1.130 1.112 1.093 1.023 .200 1.041 1.029 1.011 1.002 .200 .990 • 250 • 300 1.058 1.006 .996 1.217 1.158 1.096 1.077 •250 •300 1.146 1.080 1.021 1.015 1.074 1.051 1.042 . 992 1.074 1.017 1.002 1.104 1.014 .977 .977 1.031 .981 1.120 1.051 .983 .971 . 350 1.173 .350 .954 .892 .773 .940 · 400 • 450 1.163 1.045 . 971 0957 .941 .923 •400 •450 1.116 4995 .935 ·890 .907 . 926 .852 .876 .869 .912 .815 .780 .748 822 . 500 1.125 a 822 .500 1.088 .783 .766 .734 .750 .720 4785 .786 1.067 .714 .688 .711 . 687 4749 1.125 .626 .642 . 662 .726 .538 .709 •538 1.310 1.251 .710 1.335 1.707 1.550 1.332 1.318 1.292 1.331 1.729 .710 1.334 1.594 1.554 1.280 1.704 1.331 1.597 1.331 1.310 1.250 .720 1.367 .720 •740 •760 1.401 1.698 1.551 1.336 1.320 1.276 .740 1,399 1.722 1.339 1.340 1.551 1.321 1.281 .760 1.407 1.723 1.591 1.348 1.311 1.256 1.551 1.287 1.431 1.587 1.349 1.317 1.259 . 780 1.441 1 . 684 1.319 .780 1.295 1.311 1.278 1.412 1.264 . 800 1.684 1.554 1.340 1.317 1.592 1.351 .800 1.723 1.311 1.550 1 649 1 . 665 . 850 1.327 1.566 1.347 1.284 1.260 . 950 1.175 950 . 584 1.120 1.315 1.275 1.195 1.141 1.000 1.137 1.237 1.000 .578 1.045 1.287 Wing 1.040 .010 ·630 · 693 .786 . 864 .951 .874 1 . 443 4952 .902 946 1.095 1.226 4992 1.126 1.240 1.137 1.063 1.390 1.172 . 050 .787 . 865 . 954 .931 1.010 1.132 .050 . 925 1.036 1.011 1.009 1.074 .075 .829 .948 1.036 1.199 1.197 1.195 1.149 .075 .971 1.067 1.125 • 100 • 150 1.020 1.052 1.132 .871 1.227 .100 1.069 1.146 · 962 1.106 1.081 1.061 1.071 1.172 1.067 1 - 144 1.209 1.201 1.104 1.108 1.122 1.082 1.081 1.165 1.216 1.215 1.112 .200 1.189 .200 . 250 1.198 991 1.136 1.127 1.135 1.131 1.074 .250 1.067 1.194 1.201 1.231 1.173 1.143 1.145 1.077 1.100 1.232 1.235 1.217 1.202 1.092 .300 .300 1.216 1.080 1.209 1.091 . 350 1.161 1.207 1.162 .350 1 . 222 1.255 1.264 1 . 235 1.164 1.169 1.086 1.261 1.209 1.100 . 400 1.299 1.284 1.218 .400 1.190 1.181 1.229 1.228 1.211 1.101 450 1.249 .450 1.202 .500 1.237 1.249 1.223 1.182 1.171 1.089 .500 1 4290 1.270 1.252 1.187 1.073 1 . 274 1.228 1.297 1.224 1 . 278 1.258 1.228 1.082 .520 1.229 .520 •540 •710 1.091 1.247 1.459 1.266 1.221 1.229 1.082 .540 1 . 291 1.289 1.266 1.091 1.297 1.393 1.265 1.241 1.270 1.120 .710 1.324 1.388 1.294 1 4 257 1.246 1.168 1.177 1.250 1.145 1.259 .740 1.271 1 . 229 1.178 .740 1 . 294 1.226 1.136 1.262 1 . 241 1.222 1.196 1.202 .760 1.282 1.234 1.216 1.190 1.229 1 . 295 1.192 1.202 1.157 . 780 1,290 .780 1.163 . 800 . 850 1.239 1 . 193 1.189 1.174 1.182 1.133 1.193 1.188 1.189 .800 1 4 2 5 6 1.189 1.174 1.138 1.183 1.204 .850 1.220 1.185 1.178 1.186 1.187 1.163 1.193 1.172 . 900 1.188 1.184 1.201 1.195 1.149 1.182 .900 1.198 . 950 1.158 1.230 1.220 1.233 1.177 1.188 .950 1.164 1.068 1,201 1.224 1.221 • 560 • 580 · 671 ·684 •602 •730 1.152 •560 •580 1.127 ·622 .743 •772 .727 1.130 .720 .717 4777 .818 . 600 1.175 . 847 .840 .814 .850 .811 .855 .834 .831 .811 .600 1 . 156 . 956 . 928 .880 .910 .925 1.017 .620 1.191 . 952 .869 .891 .909 993 .960 1.016 1.209 1.048 .944 . 640 1.219 1.053 1.018 . 955 .988 1.026 .640 .660 1.169 1.114 1.019 1.076 a660 1.288 1.167 1.112 1.180 1.103 1.304 1.358 1.287 1.123 1.171 1.085 1.179 1.161 .690 1.333 1.463 1.382 1.220 1.291 1.218 1.286 1.463 1.397 .690 1.686 1.692 1.699 Spoiler .560 .580 1.512 1.729 1.551 .560 1.322 1 . 295 1.322 1.252 1.281 .580 1.731 .600 1.527 1.302 1.323 1.251 1.746 1.570 1.291 1.321 1.248 1.319 1.250 . 620 1 . 699 1.535 1.310 1.301 .620 1.318 1 . 695 1.538 1.315 1.255 1.742 1.585 1.312 1.310 1.246 1.552 1.263 1.317 1.738 1.310 1.250 .660 1.697 1.601 .660 1.693 1.542 1.320 1.315 1.264 1.73-1.308 1.247 1.592 1.318 .680 1.547 1.317 . 690 1.317 1.311 1.245 .690 1.504 1.511 1.522 1.277 1.283 1.296 1.695 1.307 1.235 1.228 1.709 1.721 1.740 1.257 1.265 1.281 1.543 1.552 1.565 1.305 1.315 .580 .580 1.314 1.247 1.698 1.242 . 600 .600 .620 1.709 1.537 1.307 1.313 1.252 1.246 1.754 1.577 1.297 1.309 .620 1.256 1.530 1.323 1.576 1.310 1.245 . 640 1.707 1.756 -640 1.328 1.554 1.314 1.254 .660 1.700 1.246 .660 1.737 1.605 1.328 1.305 1.586 1.249 1.318 1.322 1.248 . 680 1.702 1.644 1.304 .680 . 688 1.564 1.316 1.310 1.239 .688 1.720 1.611 1.310 1.305 Deflector Lower 1.210 1.220 1.173 1.009 •560 •580 1.241 1.262 1.286 1.278 1.002 1.342 1.383 1.237 1.069 1.231 1.088 . 600 1.249 1 . 265 1 4 2 2 3 1.196 1.243 1.239 .600 1.290 .620 1.252 1.271 1.210 1.184 1.292 1.284 1.226 1.234 1.203 1.102 1.197 1.195 1.118 1.249 1.226 1.218 . 640 1.282 1.290 1.212 .640 1.288 .660 1.283 1 . 258 1,199 1.193 •660 •680 1 . 315 1.263 1.209 1.222 1.215 1.189 1.195 1.180 . 680 1.305 1.245 1.216 1.209 1.196 1.185 . 688 1.206 1.227 1.173 1.115 1.371 1.218 .688 1.132 1.358 1.226

TABLE 7 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{S} = -0.060 c; \delta_{d} = -0.00000 c\right]$   $\alpha = 6^{\circ}$ 

	$\alpha = 4^{\circ}$ Pressure coefficient $C_p$ at $\frac{V}{h/2} = -$								-		$\alpha = 6^{\circ}$	C <sub>n</sub> at	V _	
	x/c			_	1	b/2		x/c		ressure o	1	_	b/2	
		0.15	0.30	0.50	0.70	0.85	0.97		0.15	0.30	0.50	0.70	0.85	0.97
	.000	• 686	•460	•318	•626	•377	.599	•000	1.099	.775	• 474	.887	• 485	.877
	•010	2.508	2.380	1.752	1.644	1.791	1.587	•010	1.099	• 775 2• 780	1.864	1 . 645	1.460	1.738
	•050	1.789	2.042	1.681	1.537	1.588	1.330	• 030	1.809	2.667	1.849	1.641	1.474	1.584
	•075	1.461	1.515	1.578	1.406	1.427	1.148	•075	1.620	1.854	1.802	1.622	1.474	1.381
	•100 •150	1.415	1.440	1.497	1.346	1.347	1.110	• 100 • 150	1.562	1.675	1.758	1.586	1.450	1.296
	.200	1.313	1.283	1.268	1.202	1.189	1.045	• 200	1.412	1.438	1.564	1 . 456	1.379	1.178
	•250 •300	1.305	1.238	1.199	1.155	1.093	1.023	• 250	1.379	1.373	1.461	1.395	1.345	1.164
54	•350	1.238	1.168	1.098	1.061	1.058	•983	ø 350	1.299	1.257	1.267	1.276	1.271	1.130
Upper	•400 •450	1.223	1.109	1.042 .979	1.009 .958	• 999 • 9#0	•946	• 400 • 450	1.282	1.190	1.188	1.220	1.239	1.092
Þ	•500	1.177	.916	•907	.859	. 862	.831	•500	1.237	1.011	1.042	1.096	1.175	.962
	•520 •538	1.145	.871 .823	.874 .839	.860	.819 .830	.803 .778	• 520 • 538	1.206	• 972 • 937	0976	1.121	1.160	.920
	•710	1.353	1.725	1.508	1.325	1.317	1.293	• 710	1.388	1.767	1.498	1.384	1.368	.871 1.324
	•720	1.387	1.717	1.508	1.323	1.317	1.285	• 720	1.413	1.756	1.498	1.386	1.362	1.321
	•760	1.424	1.712	1.510	1.324	1.318	1.279	•740	1.431	1.753	1.506	1.403	1.374	1.318
::	•780	1 • 443	1.701	1.519	1.326	1.322	1.285	• 780	1.457	1.738	1.521	1.413	1.396	1.319
Surface	.800 .850	1 • 414	1.699	1.527	1.329	1.324	1.290	• 800 • 850	1.421	1.721	1.532	1.419	1.390	1.310
E	•950	1.173	1.379	1.456	1.343	1.328	1.254	• 950	1.171	1.303	1.418	1.342	1.138	1.244
	1.000	1.143	•581	1.175	1.306	1.293	1.181	1.000	1.137	•584	1.205	1.281	1.026	1.197
Wing	•010	• 421	•517	•581	.681 .801	.673	.803	•010	•281	• 423 • 530	• 467 • 605	•535 •658	•556	•678 •843
	•030 •050	• 560 • 644	•640	•721 •792	.865	.915	• 943 • 950	•030	•431 •527	• 530	.605	•658 •737	• 686	6843 6890
4	. 075	•706	.793	.867	.900	.876	•989	•075	•603	.696	.760	a781	.771	0949
	•100 •150	• 758 • 867	• 846 • 957	.895 .987	• 951 • 995	.958	1.007	•100 •150	•662	• 752 • 849	. 797 . 886	.841 .900	.895	•983 1•011
	•200	.876	1.032	•982	1.035	1.033	1.036	• 200	.801	. 924	.909	.948	•952	1.034
	•250 •300	•916 1•027	1.053	1.042	1.065	1.053	1.036	• 250	·848	• 968 1•032	973	1.014	.983 1.008	1.037
H	•350	1.092	1.134	1.088	1.103	1.108	1.048	• 350	1.028	1.076	1.030	1.042	1.041	1.049
Lower	•400 •450	1.132	1.197	1.171	1.115	1.125	1.053	. 400 . 450	1.071	1.140	1.119	1.055	1.060	1.055
그	,500	1.182	1.191	1.165	1.138	1.145	1.058	.500	1.129	1.146	1.124	1.091	1.082	1.064
	•520 •540	1.179	1.222	1.174	1.142	1.235	1.050	• 520 • 540	1.126	1.175	1.131	1.095	1.083	1.060
	•710	1.262	1.361	1.232	1.259	1.226	1.056	•710	1.223	1.326	1.188	1.223	1.182	1.067
	•740	1.243	1.200	1.141	1.228	1.238	1.117	•740	1.210	1 . 167	1.107	1.188	1.183	1.121
	.780	1.262	1.202	1.162	1.152	1.173	1.102	.780	1.199	1.177	1.156	1.118	1.122	1:115
	.800 .850	1.210	1.168	1.165	1.153	1.169	1.104	. 800	1.181	1.140	1.130	1.120	1.110	1.108
	•900	1.181	1.164	1.181	1.158	1.169	1.103	. 850 . 900	1.154	1.155	1.140	1.123	1.107	1.098
	• 950	1.151	1.149	1.219	1.205	1.228	1.145	• 950	1.136	1 0 123	1.183	1.173	1.070	1.141
	•560 •580	1.196	•775 •859	.843				• 560 • 580	1.240	· 891 • 964	.974			
L C	•600	1.213	•859 •932	•898 •951	.849 .902	.834 .888	•789 •846	• 580	1.240 1.236 1.256	1.017	1.009	1.079	1.139	•869 •914
pper	.620	1.243	1.019	1.007	.937	.950	.898	•620	1.280	1.092	1.088	1.111	10164	0949
Ce	•640 •660	1.326	1.106	1.067	.995 1.053	1.026	.957 1.017	• 640	1.291	1.167	1.118	1.137	1.189	0993
surface:	.680	1.336	1.394	1.268	1.142	1.182	1.097	.680	1.367	1.437	1.282	1.233	1.215	1.039
ns.	•690	1.362	1.484	1.348	1.224	1.282	1.175	• 690	1.386	1.524	1.338	1.284	1.311	1.190
Spoiler	•560		1.714	1.475				.560		1.744	1.467	2		
Spoi	•580		1.725	1.483	1.306	1.316	1.227	•580 •600		1.747	1.475	1.359	1.362	1.289
Si	.620		1.728	1.496	1.310	1.316	1.236	•620		1.755	1 6 494	1.372	1.369	1.302
김	•640		1.723	1.498	1.315	1.309	1.239	.640 .660		1.753	1 . 496	1.375	1.365	1.304
	.680		1.723	1.487	1.313	1.312	1.256	.680		1.759	1.492	1.378	1.370	1.308
	•690		1.731	1.488	1.315	1.314	1.257	•690		1.767	1 • 462	1.368	1.356	1.297
	•560		1.717	1.471	1.282	1.305	1.216	.560		1.749	1.456	1.343	1.351	1.274
1 Si	•580 •600		1.718	1.474	1.289	1.311	1.221	.580 .600		1.750	1.459	1.348	1.360	1:291
odd.	.620		1.733	1.493	1.305	1.312	1.229	.620		1.755	1 . 487	1.365	1.365	1.301
ace	•640		1.731	1.499	1.312	1.314	1.238	• 640 • 660		1.761	1.509	1.379	1.369	1.312
surface: Upp	.680		1.728	1.558	1.313	1.0312	1.231	.680		1.758	1.553	1.381	1.365	1.317
r s	•688		1.716	1.530	1.311	1.312	1.224	• 688		1.739	1.525	1.371	1.364	1.297
Deflector	•560 •580	1.290	1.161	1.163	1.202	1.150	. 993	•560 •580	1.240	1.115	1.122	1:161	1.097	1.049
efle	•600	1.213	1.220	1.140		1.206	1.005	• 600	1.170	1.147	1.097	1.102	1.160	1.030
De	.620	1.214	1.229	1.167	1.174	1.164	1.061	·620	1.169	1.188	1.130	1.138	1.109	1.058
Lo	•640	1.211	1.240	1.159	1.170	1.179	1.073	• 640	1.170	1.200	1.120	1.135	1.129	1.074
	.680	1.310	1.274	1.197	1.165	1.176	1.152	.680	1.270	1.237	1.163	1.132	1.116	1.139
1	•688	1.112	1.338	1.181	1.181	1.158	1.117	• 688	1.107	1.302	1.147	1.143	1.101	10119
	-				-		(					-		

TABLE  $^7$  .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{\rm S}=^{-0.060}\,c\,;\,\delta_{\rm d}=^{-0.00000}\,c\right]$ 

. . . .

~ = 10 °

			α	= 8 0							α = 10			
		I	Pressure	coefficien	t C <sub>p</sub> at	$\frac{y}{b/2} = -$		,	P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
								000	0.050	1.238	.860	1.219	.815	1.029
	.000	1.903	1.008	.677 1.959	1.056	.680 1.487	.873 1.473	•000	2.058	2.633	1.997	1.672	1.504	1.394
	•010 •030	4 • 226	2.624	1.952	1.653	1.496	1.422	.030	4.203	2.622	1.988	1.660	1.501	1.378
	.050	2.112	2.619	1.949	1.655	1.499	1.388	.050	3 • 475	2.613	1.984	1.665	1.505	1.370
	.075	1.843	2.634	1.942	1.649	1 • 495	1.353	.075	2.157	2.615	1.975	1.660	1.504	1.35
	•100	1.752	2.635	1.934	1.640	1.480	1.316	• 100 • 150	1.740	2.745	1.946	1.646	1.497	1.35
	•150 •200	1.622	2.526	1.890	1.618	1.435	1.261	.200	1.612	2.546	1.933	1.637	1.490	1.35
	•250	1.479	1.615	1.870	1.612	1.406	1.250	• 250	1.555	2 . 235	1.935	1.633	1.486	1.36
	.300	1 . 414	1.314	1.832	1.604	1.379	1.243	• 300	1.483	1.896	1.940	1.626	1.480	1.36
4	•350	1.378	1.195	1.756	1.589	1.352	1.237	• 350 • 400	1.443	1.592 1.378	1.873	1.602	1.464	1.37
Opper	•400	1.350	1.125	1.658	1.541	1.318	1.227	. 450	1.371	1.227	1.810	1.578	1 . 455	1.36
5	•500	1.279	•904	1.457	1.462	1.302	1.200	.500	1.341	1.043	1.728	1.529	1.445	1.35
	•520	1.250	.829	1.422	1.513	1.296	1.178	•520	1.323	• 988 • 913	1.699	1.547	1.438	1.34
	•538	1.260	•744	1.416	1.493	1.298	1.172	ø 538	1.323	1.747	1.533	1.439	1.398	1.28
	•710 •720	1.401	1.722	1.498	1.444	1.398	1.277	.720	1.442	1.750	1.534	1.439	1.403	1.28
	•740	1.452	1.730	1.512	1 . 445	1.414	1.273	.740	1.464	1.751	1.548	1.438	1.409	1.29
	.760	1.463	1.730	1.521	1.426	1.417	1.268	.760	1.471	1 • 741	1.538	1.434	1.413	1.29
	.780	1 • 495	1.721	1.527	1.408	1.408	1.264	. 780	1.493	1.693	1.520	1.429	1.408	1.29
	.800	1.476	1.705	1.526	1.389	1.397 1.362	1.259	.850	1.390	1.542	1.407	1.404	1.388	1029
	•850 •950	1.236	1.349	1.283	1.294	1.207	1.224	• 950	1.183	1.251	1.281	1.327	1.274	1 . 25
-	1.000	1.172	•588	1.194	1.262	1.122	1.184	1.000	1.141	ø 586	1.196	1.292	1.201	1 . 22
	•010	•166	• 356	•387	• 442	•509	.608	.010	.105	• 335	.349	• 399	.459	.56 .70
	.030	• 303	o 441	.506	•558		•759	.030	• 223	• 381 • 455	• 443 • 513	•501 •609	•688	077
	•050	• 402	•524	•584	•742 •692	.683 .726	.818 .889	• 050 • 075	• 324 • 419	• 535	.590	.633	•683	. 85
	•075 •100	• 492 • 566	•601 •663	•665 •714	•752	8 / 2 0	• 923	•100	.489	.594	.641	.695		.89
	•150	.679	.763	.805	.819	.857	•964	. 150	.606	.698	.739	.761	.821	0 95
	.200	•729	.838	.843	.875	•929	•995	• 200	.666	• 776	• 782	.824	.893	1 - 0 1
	.250	• 782	.892	.897	•922	• 956	1.007	• 250	•729 •819	.829 .896	.900	.875 .909	•927 •962	1.01
	•300	.893	• 956	•953 •970	• 959 • 984	.991 1.018	1.020	• 300 • 350	900	950	. 923	. 947	1.000	1.04
er	• 350	.960 1.013	1.006	1.055	1.004	1.037	1.041	. 400	.959	1.021	1.007	.972	1.026	1.06
Lower	•450	1.074	1.045	1.026	1.039	1.056	1.054	e 450	1.018	• 997	.990	1.010	1.046	1.07
A	.500	1.082	1.091	1.071	1.049	1.070	1.065	.500	1.028	1 6 0 4 7	1.032	1.022	1.064	1.08
	•520	1.080	1.116	1.077	1.055	1.073	1.062	• 520	1.029	1.078	1.044	1.031	1.124	1.09
	•540	1.099	1.294	1.115	1.100	1.126	1.076	.540 .710	1.050	1.257	1.130	1.173	1.187	1.06
	•710 •740	1.191	1.282	1.068	1.153	1.182	1.110	.740	1.151	1.104	1.054	1.152	1.193	1.12
	•760	1.174	1.145	1.116	1.088	1.127	1.101	.760	1.141	1.123	1.101	1.087	1.146	1.12
	.780	1.207	1.139	1.089	1.090	1.119	1.088	• 780	1.173	1.115	1.076	1.092	1.141	1010
	.800	1.154	1.109	1.090	1.090	1.113	1.094	. 800 . 850	1.128	1.091	1.092	1.109	1.148	1.1
	•850 •900	1.134	1.133	1.093	1.097	1.118	1.096	. 900	1.113	1.103	1.106	1.137	1.167	1.1
	950	1.138	1.118	1.119	1.147	1.127	1.127	. 950	1.109	1.093	1.126	1.165	1.178	1.1
	•560	1.263	.682	1.375				• 560	1.319	.806	1.665			
٤.	.580	1.257	.820	1.329	1.459	1.297	1.170	ø 580	1.312	• 912 • 942	1.618	1.515	1.440	1.3
pper	.600	1.271	.904	1.314	1.447	1.291	1.172	.600 .620	1.317	1.002	1.567	1.493	1.433	1.3
dD	.620 .640	1.290	1.001	1.289 1.248	1.411	1.308	1.181	• 640	1.338	1.063	1.499	1.484	1.422	1.2
	.660	1.351	1.177	1.258	1.400	1.319	1.194	.660	1.385	1.138	1.493	1.473	1.422	1.2
	.680	1.371	1.379	1.314	1.396	1.335	1.206	.680	1.395	1.348	1 . 484	1.467	1.427	1.2
UF	•690	1.386	1.469	1.353	1.406	1.367	1,228	• 690	1.415	1 • 449	1 • 485	1.463	1.432	1.2
ie	•560		1.614	1.456				• 560		1.628 1.631	1.503	1.427	1.374	1.2
	•580		1.616	1.464	1.419	1.371	1.250	.580 .600		1.636	1.513	1.429	1.378	1.2
er	•600		1.621	1.476	1.427	1.379	1.256	620		1.646	1.520	1.434	1.382	1.2
ower	•620 •640		1.635	1.481	1.427	1.383	1.258	.640		1.660	1.512	1.430	1.382	1.2
Н	•660		1.654	1.478	1.428	1.383	1.265	.660		1.685	1.511	1.433	1.388	1.2
	•680		1.671	1.464	1.419	1.379	1.260	• 680		1.703	1.512	1.429	1.381	1.2
	•690		1.689	1.470	1.425	1.387	1.265	• 690		1.712	1.520	1.432	1.386	102
	•560		1.621	1.444		1.361	1.247	• 560		1.625	1.496	1 . 423	1.368	102
	•580		1.618	1.459	1.414	1.367	1.248	.580 .600		1.632	1.501	1.424	1.366	102
per	•600		1.623	1.473	1.419	1.371	1.252	.620		1.642	1.512	1.432	1.379	102
Jp	.620 .640		1.626	1.484	1.423	1.379	1.263	.640		1.649	1.519	1.434	1.390	102
	•660		1.635	1.495	1.436	1.387	1.273	.660		1.661	1.522	1.437	1.397	10
Upi	•680		1.627	1.495	1.435	1.390	1.270	.680 .688		1.660	1.528	1.441	1.396	102
	•688		1.628	1.491	1.431									
3	•560	1.191	1.067	1.075	1.110	1.081	1.067	•560	1.145	1.028	1.040	1.087	1.077	1.0
	•580		1.096	1.058	1.097	1.119	1.041	.600	1.077	1.093	1.065	1.080	1.124	10
ower	•600 •620		1.131		1.095	1.095	1.059	0620	1.087	1.108		1.080	1.107	1.00
0 0	•640		1.155	1.079	1.093	1.119	1.073	0 640	1.091	1.122		1.084	1.130	1.0
7			1.137	1.083	1.096	1.115	1.104	• 660	1.133	1.107		1.086	1.124	1.1
Н	•660							1 0000	10410	19 10 7	40 070	~ 0001		
Ţ	.680	1.243	1.191 1.258	1.120	1.094	1.099	1.105		1.101			1.096	1.113	1.

TABLE 7 .- PRESSURE COEFFICIENTS - Continued  $\left[ \delta_{_{\rm S}} = ^{-0*060} \, c; \, \delta_{_{\rm d}} = ^{-0*00000} \, c \right]$ 

- 120

a = 14 0

	$\alpha = 12^{\circ}$										α = 14		**	
			Pressure	coefficien	it Cp a	$t \frac{y}{b/2} = -$	-		F	Pressure c	oefficient	Cp at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.50	0.50	0.70	0.85	0.07	x/c	0.15	0.30	0.50	0.70	0.85	0.97
		0.15	0.30	0.50	0.70	0.00	0.97		0.15	0.50	0.50	0.70	0.00	0.51
	•000	1.356	1.343	•963	1.393	• 909	1.195	•000	1.144	1.348	1.066	1.584	1.133	1.420
	•010	2.922	2.490	1.983	1.693	1.541	1.433	•010	2.362	2.239	1.923	1.710	1.653	1.517
	•050	3.002	2.437	1.958	1.683	1.543	1.430	.050	2.368	2.233	1.919	1.714	1.660	1.525
	.075	2.948	2.418	1.951	1.681	1.544	1.431	.075	2.364	2.228	1.912	1.716	1.660	1.532
	.100	2.856	2.420	1.944	1.676	1.541	1.429	•100	2.361	2 • 228	1.907	1.711	1.660	1.534
	•150	2.541	2 • 448	1.930	1.676	1.550	1.440	• 150	2.333	2.216	1.897	1.717	1.671	1.552
	•200 •250	2 • 137	2.427	1.914	1.673	1.550	1.451	•200	2.291	2.209	1.886	1.718	1.685	1.583
	•300	1.613	2.250	1.918	1.670	1.566	1.472	• 300	2.071	2.183	1.869	1.731	1.715	1.589
54	•350	1.541	2.091	1.914	1.665	1.571	1.474	• 350	1.915	2.135	1.857	1.734	1.726	1.595
Upper	•400	1.495	1.934	1.889	1.656	1.563	1.464	• 400	1.793	2.079	1.844	1.729	1 727	1.591
Up	•450	1.440	1.772	1.854	1.644	1.556	1.460	• 450	1.675	2.004	1.831	1.676	1.712	1.579
	•520	1.372	1.585	1.774	1.628	1.539	1.423	.520	1.559	1.904	1.800	1.701	1.685	1.532
	•538	1.381	1.579	1.759	1.618	1.526	1.420	•538	1.559	1.900	1.789	1.698	1.666	1.523
	•710	1.374	1.771	1.575	1.479	1.398	1.329	•710	1.379	1.712	1.639	1.485	1.472	1.408
	•720	1.399	1.766	1.567	1.479	1.403	1.318	• 720	1.403	1.699	1.621	1.481	1.478	1.398
	•740	1.395	1.728	1.575	1.485	1.414	1.327	.760	1.371	1.644	1.619	1.497	1.488	1.413
	.780	1.378	1.558	1.555	1.485	1.422	1.339	.780	1.382	1.621	1.612	1.506	1.509	1.421
ce	.800	1.333	1.479	1.543	1.487	1.421	1.333	.800	1.346	1.608	1.604	1.508	1.514	1.414
Ita	.850	1.266	1.346	1.495	1.474	1.426	1.341	.850	1.314	1.508	1.574	1.510	1.526	1.421
Surface	•950	1.156	1.214	1.369	1.383	1.321	1.285	950	1.189	1.326	1.458	1.420	1.436	1.356
80	1.000	1.138	•588	1.226	1.332	1.249	1.246	1.000	1.189	•584	1.265	1.356	1.370	1.305
Wing	.010	•092	•328	•347	•379	. 423	.542	.010	.070	.333	• 345	.366	•408	4539
K	.030	.202	• 353	•414	.464		•542	•030	•175	.339	.388	• 366 • 431		•539
	.050	•294	•423	•475	•536	.679	•761	• 050	• 266	• 397	• 442	• 490	•686	•739
1 1	•075	• 384	• 491	•556	.590	•642	.836	•075	.353	. 460 .515	•514 •561	•547	1593	.827 .879
	•100 •150	• 455 • 565	•551 •650	•599	•653 •731	•781	.887 .941	• 100 • 150	• 423 • 532	0615	.656	.685	.736	.946
	•200	•626	.735	•743	.801	.858	985	• 200	.596	.694	• 707	.752	.815	.997
100	.250	•690	.789	.806	.854	.894	1.008	• 250	.657	.751	•770	.803	•867	1.022
	•300	•775	.853	.862	.888	. 943	1.029	• 300	•740	.817	.830	.847	•913	1.046
er	•350	.854	•910	•889 •977	•930	•982	1.047	• 350	.822 .885	• 876 • 956	•861 •950	· 890 • 927	•953	1.064
Lower	•400 •450	•916 •981	•968	0964	• 959 • 998	1.004	1.076	• 450	.953	941	. 941	.969	1.021	1.094
니니	.500	• 997	1.019	1.011	1.018	1.047	1.088	.500	0972	.998	.991	•990	1.042	1.112
	•520	• 998	1.047	1.024	1.027	1.055	1.085	• 520	.973	1.026	1.004	1.000	1.049	1.110
	•540	1.017	1.221	1.066	1.078	1.109	1.095	• 540	• 997	1.197	1.047	1.049	1.109	1.109
	•710	1.134	1.246	1.128	1.191	1.174	1.069	•710	1.123	1.096	1.059	1.177	1.205	1.162
	•740	1.135	1.115	1.108	1.169	1.139	1.121	.760	1.120	1.121	1.118	1.101	1.163	1.159
	•780	1.156	1.111	1.088	1.113	1.136	1.112	.780	1.154	1.120	1.097	1.109	1.160	1.148
	.800	1.114	1.085	1.096	1.123	1.136	1.119	.800	1.116	1.096	1.112	1.117	1.163	1.159
	.850	1.102	1.115	1.112	1.137	1.151	1.121	. 850	1.111	1.132	1.140	1.137	1.185	1.161
	•900	1.111	1.111	1.140	1.171	1.181	1.142	• 900 • 950	1.126	1.144	1.181	1.177	1.222	1.189
	. 750	1.109	1.103	10111	10205	1.200	10111	1 0,50	1.174	10254	14222	10447	10201	14210
	.560	1.376	1.447	1.741				€ 560	1.524	1.826	1.790			
H	•580	1.364	1.485	1.727	1.610	1.535	1.404	•580	1.493			1.705	1.685	1.515
) be	•600	1.365	1.413	1.720	1.616	1.528	1.392	.600 .620	1.477	1.801	1.794	1.714	1.700	1.501
u.	•620 •640	1.363	1.375	1.667	1.610	1.525	1.361	640	1.432	1.747	1.794	1.744	1.715	1.479
ac	•660	1.404	1.374	1.664	1.616	1.536	1.348	.660	1.455	1.730	1.814	1.765	1.737	1.480
F	•680	1.391	1.471	1.648	1.616	1.539	1.344	•680	1.428	1.708	1.826	1.766	1.745	1.492
surface: Upper	•690	1.407	1.530	1.651	1.597	1.539	1.348	• 690	1.429	1.709	1.836	1.727	1.737	1.497
Spoiler	•560		1.687	1.535				•560		1.685	1.508			
oi	•580		1.702	1.540	1.464	1.367	1.277	.580		1.685	1.598	1.454	1.419	1.336
Sp	•600		1.715	1.545	1.464	1.376	1.287	0600		1.693	1.616	1.461	1.432	1.353
Mo	•620		1.731	1.551	1.470	1.384	1.298	•620		1.693	1.623	1.469	1 0 445	1.370
H	.640 .660		1.741	1.546	1.472	1.389	1.305	.640 .660		1.685	1.623	1.469	1.451	1.380
	.680		1.758	1.552	1.464	1.394	1.312	680		1.697	1.624	1.459	1.452	1.390
1	•690		1.760	1.559	1.463	1.383	1.307	.690		1.707	1.627	1.456	1.443	1.383
	•560		1.681		1.452	1.363	1.265	• 560		1.683	1.591	1 . 445	1.411	1.322
per	.580 .600		1.696	1.535	1.456	1.365	1.268	.580 .600		1.691	1.598	1.445	1.416	1.326
1 dd	•620		1.723	1.542	1.468	1.382	1.280	.620		1.693	1.613	1.463	1.439	1.344
U	•640		1.743	1.549	1.479	1.395	1.296	e 640		1.693	1.631	1.478	1.458	1.364
rfa	.660		1.751	1.552	1.483	1.404	1.306	.660		1.693	1.635	1 . 485	1.471	1.367
surface: Upp	.680 .688		1.756	1.554	1.485	1.398	1.293	.680 .688		1.689	1.647	1.483	1.468	1.356
Jr.	*688		10/44	1.049	18400	1.373	10204	8 903		1.011	1.020	10410	10420	10343
Deflector	•560	1.113	1.006	1.023	1.090	1.069	1.082	.560	1.089	. 989	1.007	1.067	1.070	1.075
fle	•580	1.052	1.038	1.012	1.048	1.129	1.065	•580	1.027	1.022	.999	1.029	1.138	1.091
Def	•600	1.049	1.073	1.051	1.089	1.119	1.085	•600	1.028	1.057	1.042	1.062	1.127	1.123
I O	•620 •640	1.059	1.089	1.047	1.089	1.119	1.109	640	1.051	1.078	1.036	1.071	1.125	1.143
H	660	1.112	1.092	1.056	1.096	1.117	1.154	0660	1.097	1.080	1.050	1.077	1.127	1.188
	.680	1.187	1.151	1.095	1.098	1.118	1.163	•680	1.170	1.142	1.091	1.084	1.131	1.190
1	.688	1.097	1.216	1.080	1.108	1.105	1.121	688	1.097	1.208	1.077	1.088	1.117	1.147
	Control of the													

TABLE 7 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{\rm g} = -0.060 \, {\rm c}; \, \delta_{\rm d} = -0.00000 \, {\rm c}\right]$ 

~ = 16 C

a = 18 °

				coefficient	C <sub>n</sub> at	$\frac{y}{b/2} = -$			I P		oefficient	C <sub>n</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
-	_	0.10	0.50	0.00	0.10	0,00	0.01		-					
		1.067	1.338	1.135	1.764	1.242	1.499	•000	1.024	1.323	1.170	1.836	1.675	1.525
	•010 •030	2.081	2.149	1.946	1.769	1.684	1.539	.030	1.879	1.900	1.878	1.743	1.667	1.536
	•050	2.099	2.106	1.913	1.772	1.691	1.543	• 05 0	1.879	1.899	1.873	1.750	1.668	1.542
	•075	2.105	2.100	1.909	1.770	1.691	1.550	• 075	1.879	1.900	1.869	1.747	1.670	1.552
	•100 •150	2.104	2.108	1.904	1.769	1.687	1.573	.150	1.890	1.908	1.871	1.749	1.679	1.564
	• 200	2.093	2.087	1.888	1.778	1.706	1.589	• 200	1.895	1.906	1.866	1.750	1.683	1.575
	.250	2.080	2.088	1.883	1.785	1.718	1.601	• 250 • 300	1.898	1.910	1.868	1.757	1.697	1.591
	•300	2.047	2.078	1.877 1.870	1.794	1.734	1.616	• 350	1.896	1.912	1.864	1.757	1.702	1.597
Upper	•350 •400	1.940	2.042	1.862	1.790	1.736	1.611	• 400	1.896	1.908	1.861	1.758	1.700	1.594
Joi	•450	1.874	2.009	1.854	1.778	1.723	1.598	• 450 • 500	1.886	1.903	1.860	1.758	1.705	1.566
-	•500 •520	1.838	1.959 1.944	1.840	1.753	1.717	1.552	• 520	1.875	1.894	1.871	1.787	1.732	1.554
	•538	1.800	1.934	1.841	1.784	1.707	1.541	• 538	1.886	1.891	1.874	1.799	1.727	1.549
	•710	1.615	1.751	1.670	1.531	1.504	1.431	•710 •720	1.772 1.760	1.819	1.658	1.520	1.520	1.448
	•720 •740	1.601	1.738	1.666	1.531	1.515	1.430	.740	1.769	1.821	1.663	1.531	1.530	1.458
100	•760	1.573	1.720	1.663	1.554	1.528	1.439	.760	1.757	1.818	1.665	1.542	1.545	1.467
**	.780	1.562	1.708	1.662	1.562	1.541	1.446	.780	1.764	1.821	1.670	1.554	1.555	1.473
Surface	.800 .850	1.527	1.701	1.657	1.571	1.546	1.453	. 850	1.711	1.772	1.667	1.588	1.586	1.489
F	950	1.344	1.426	1.535	1.492	1 . 492	1.401	• 950	1.532	1.629	1.573	1.507	1.527	1.437
22	1.000	1.293	•581	1.318	1.426	1.438	1.347	1.000	1.432	• 596	1.350	1.440	1.477	1.010
Wing	.010	• 064	•338	•354	•375	•410	•542	.010	.039	.340	.361	• 374	.407	•541
8	.030	• 151	•328	•378	. 415		.641	• 030	•121	•309 •352	. 369	• 397 • 483	.674	•625 •709
l	•050	• 238	• 383	•428 •489	•491 •524	.685 .568	•728 •816	• 050	.208 .291	. 407	. 465	. 494	.535	.801
	•075 •100	•328 •391	a 445	•536	•584	. 200	.869	.100	.356	.456	.510	.551		•857
	.150	•504	.592	.631	.661	.714	.945	0 150		• 547	• 601	.629 .701	.680 .761	.932 .986
	•200	•567	•669	•681	•732	• 795 • 848	.998 1.023	• 200 • 250		• 626 • 684	.660 .725	.761	.820	1.016
	• 250	•630 •714	•728 •791	•746 •810	• 793 • 834	.899	1.048	• 300		.755	.786	.805	.874	1.042
e.	•300 •350	• 793	857	.847	.882	. 946	1.070	• 350		.818	. 822	.858	920	1.067
Lower	•400	.858	.938	•937	.918	• 981	1.094	a 400		.904 .897	.913	.896 .943	993	1.112
2	• 450	• 932	•923 •982	•933 •985	• 958 • 995	1.013	1.108	.500		959	.970	.970	1.024	1.136
	•500 •520	• 949 • 955	1.012	1.000	1.007	1.048	1.114	.520	.929	• 995	.988	• 983	1.034	1.120
	•540	.979	1.189	1.046	1.057	1.104	1.106	• 540		1.174	1.034	1.035	1.093	1.100
	•710	1.121	1.250	1.144	1.201	1.201	1.123	o710		1.121	1.077	1.176	1.218	1.202
	•740	1.128	1.104	1.075 1.138	1.185	1.184	1.183	.760		1.149	1.148	1.116	1.181	1.202
	•780	1.159	1.132	1.119	1.135	1.177	1.172	• 780		1.157	1.129	1.143	1.183	1.205
	•800	1.124	1.107	1.130	1.147	1.181	1.183	• 800 • 850		1.139	1.144	1.143	1.213	1.212
	•850	1.129	1.156	1.168	1.175	1.207	1.214	900		1.252	1.242	1.221	1.260	1.241
	•900	1.181	1.200	1.277	1.266	1.305	1.252	. 950		1.308	1.306	1.274	1.324	1.281
	•560	1.768	1.902	1.846				. 560	1.875	1.891	1.883			
	•580	1.743	1.911	1.853	1.794	1.736	1.539	• 580	1.864	1.897	1.895	1.818	1.757	1.558
pper	•600	1.722	1.890	1.860	1.818	1.746	1.534	• 600 • 620		1.906	1.913	1.842	1.790	1.565
::D	•620 •640	1.706	1.885	1.872 1.884	1.848	1.777	1.525	• 64	1.825	1.910	1.923	1.850	1.800	1.574
ace	•660	1.675	1.866	1.909	1.870	1.801	1.542	. 66		1.919	1.936	1.865	1.811	1.669
surface:	•680	1.653	1.845	1.920	1.875	1.808	1.582	• 68		1.927 1.932	1.938	1.857	1.803	1.675
S	•690	1.646	1.858	1.930	1.840	1.794	1,000							
Spoiler	•560		1.720	1.635	1211			• 56		1.780	1.618	1.481	1.469	1.394
poi.	•580		1.718	1.638	1.492	1.453	1.360	• 58		1.792	1.631	1.490	1.478	1.408
Si L'ower	•600		1.724	1.647	1.510	1.473	1.397	.62		1.798	1.640	1.498	1.490	1.428
0	.640		1.718	1.657	1.516	1.480	1.410	• 64		1.799	1.641	1.507	1.509	1.442
"	•660		1.727	1.657	1.521	1 . 491	1.425	• 66	)	1.807	1.628	1.493	1 . 495	1.446
1	•680		1.734 1.754	1.651	1.510	1.478	1.406	.69		1.818	1.631	1.487	1.487	1 0 4 3 6
	.090								2	1 701	1,611	1.460	1.451	1.376
	•560 •580		1.714	1.624	1 • 484	1 • 438	1.347	• 56 • 58	0	1.781 1.787	1.611	1.469	1.451	1.380
per			1.727	1.643	1 . 499	1.454	1.358	660	0	1.790		1.482	1.468	1.389
1::0			1.729	1.651	1.510	1.467	1.369	• 62 • 64		1.795 1.799		1.514	1.505	1.425
ace	•640 •660		1.731	1.664	1.528	1.500	1.394	0 66	0	1.808	1.664	1.526	1.516	1.426
surface:	•680		1.727	1.685	1.529	1.496	1.382	068		1.811	1.674	1.515	1.509	1.413
S	•688		1.719	1.668	1.521	1.487	1.369	• 68						
Deflector	•560	1.073	•973	1.004	1.075	1.074	1.064		0 1.051	.960 1.001	• 994	1.056	1.067	1.068
Tle	.580	1.017	1.012	•999	1.038	1.140	1.107	.58	0 •999 0 1•004	1.042		1.059	1.123	1.156
Def	•600 •620	1.020	1.051	1.044	1.080	1.107	1.145	. 62	0 1.018	1.064	1.040	1.066	1.102	1.173
5	7 0040	1.048	1.090	1.043	1.088	1.136	1.308	• 64	0 1.031	1.090				1.173
-	· 660	1.095	1.080	1.058	1.095	1.138 1.140	1.208	666	0 1.080 0 1.154	1.147	1.101	1.091	1.136	1.221
	680	1.170	1.144	1.100				1 68	8 1.122					1.181
1		1.100												

TABLE 7 .- PRESSURE COEFFICIENTS - Continued

 $\delta_{s} = -0.060 c; \delta_{d} = -0.00000 c$ 

 $\alpha = 20^{\circ}$ 

 $\alpha = 22^{\circ}$ 

x/c			Pressure	coefficien	it Cp a	$t \frac{y}{b/2} = -$		11/0	F	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/C	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Surface: Upper	.000 .010 .030 .050 .075 .100 .200 .250 .350 .500 .520 .520 .538 .710 .720 .740 .760 .780 .880 .850 .900	1.041 1.783 1.783 1.781 1.782 1.793 1.793 1.805 1.812 1.812 1.822 1.827 1.827 1.827 1.794 1.795	1.337 1.6241 1.620 1.618 1.622 1.632 1.633 1.634 1.637 1.639 1.643 1.845 1.796 1.845 1.796 1.804 1.875 1.804 1.810 1.810 1.810 1.811 1.804 1.810 1.811 1.804 1.810 1.811 1.804 1.810 1.811 1.804 1.810	1.209 1.8359 1.8329 1.8227 1.8227 1.8226 1.8227 1.8226 1.8227 1.8334 1.8227 1.8351 1.6558 1.667 1.679 1.6889 1.679 1.6889 1.679 1.6899 1.619	1.861 1.747 1.735 1.735 1.735 1.735 1.735 1.735 1.737 1.737 1.739 1.749 1.749 1.785 1.812 1.812 1.822 1.552 1.552 1.552 1.552 1.567 1.567 1.567 1.567 1.567 1.567 1.567	1.355 1.662 1.658 1.656 1.657 1.669 1.667 1.669 1.671 1.677 1.743 1.543 1.543 1.543 1.543 1.543 1.573 1.573 1.573 1.573 1.573	1.530 1.521 1.523 1.527 1.531 1.554 1.554 1.555 1.556 1.556 1.555 1.555 1.459 1.489 1.489 1.489 1.489 1.481	.000 .010 .030 .050 .075 .100 .250 .250 .300 .350 .450 .520 .528 .710 .770 .780 .800 .850 .850	1.045 1.727 1.727 1.719 1.719 1.729 1.729 1.743 1.747 1.755 1.759 1.768 1.768 1.768 1.768 1.754 1.754 1.754 1.754 1.754 1.754 1.755 1.754 1.755 1.754 1.755 1.754 1.755 1.756	1.342 1.744 1.733 1.748 1.755 1.755 1.758 1.755 1.779 1.779 1.779 1.779 1.779 1.779 1.775 1.775 1.775 1.775 1.751 1.754 1.751 1.754	1.219 1.794 1.776 1.766 1.766 1.763 1.763 1.763 1.763 1.776 1.278 1.811 1.840 1.625 1.640 1.658 1.658 1.658 1.658 1.669 1.627	1.786 1.687 1.673 1.673 1.673 1.673 1.674 1.672 1.674 1.673 1.735 1.733 1.733 1.733 1.771 1.526 1.527 1.556 1.556 1.579 1.568 1.579	1.402 1.650 1.642 1.639 1.646 1.648 1.665 1.668 1.713 1.737 1.746 1.573 1.576 1.587 1.576 1.587 1.599 1.631 1.631 1.631	1.529 1.515 1.516 1.521 1.528 1.528 1.5542 1.5542 1.5542 1.5542 1.5540 1.5540 1.5560 1.5560 1.5508 1
Wing	010 030 050 075 100 150 200 330 450 450 520 520 540 710 760 780 850 850 990	. 025 . 096 . 180 . 259 . 322 . 432 . 494 . 562 . 648 . 732 . 795 . 870 . 870 . 932 1 . 112 1 . 128 1 . 132 1 . 172 1 . 151 1 . 174 1 . 244 1 . 337	*344 *299 *335 *385 *430 *519 *597 *654 *726 *796 *873 *942 *978 *1:158 *1:125 *1:125 *1:125 *1:157 *1:157 *1:156 *1:230 *1:288 *1:235	*376 *360 *390 *444 *485 *578 *636 *702 *763 *807 *993 *993 *961 *1029 *1165 *1021 *1016 *	*377 *389 *476 *533 *610 *679 *746 *843 *884 *936 *969 *986 1.034 1.196 1.187 1.125 1.1187 1.215 1.187 1.244 1.302	. 416 .677 .517 .663 .746 .798 .856 .913 .949 .991 1.025 1.031 1.090 1.207 1.195 1.192 1.213 1.233 1.289 1.289 1.283	.541 .607 .692 .773 .837 .997 .973 1.000 1.027 1.055 1.083 1.115 1.103 1.115 1.103 1.148 1.217 1.216 1.220 1.220 1.230	*010 *030 *050 *075 *100 *250 *350 *400 *550 *550 *500 *710 *740 *740 *780 *880 *880 *850	022 087 166 246 308 413 476 543 624 711 764 887 886 913 1.116 1.125 1.146 1.125 1.254 1.359	.348 .284 .312 .350 .398 .644 .559 .618 .684 .748 .829 .908 .944 1.120 1.144 1.153 1.141 1.225 1.288 1.366	*385 *348 *370 *416 *453 *545 *602 *669 *779 *872 *872 *883 *944 *965 1.009 1.157 1.161 1.143 1.166 1.215 1.281 1.281	*385 *371 *467 *451 *502 *578 *644 *785 *897 *856 *911 *949 *959 1.010 1.180 1.119 1.135 1.152 1.183 1.246 1.307	. 427 .684 .503 .641 .728 .781 .884 .894 .939 .917 .0025 .1083 .1.210 .1.221 .1.203 .1.221 .1.221 .1.246 .1.299 .1.382	.553 .600 .674 .757 .815 .893 .960 .993 1.002 1.048 1.078 1.132 1.120 1.158 1.228 1.223 1.223 1.223 1.2245 1.325
r surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.825 1.822 1.817 1.812 1.809 1.805 1.799 1.798	1.846 1.849 1.852 1.856 1.859 1.860 1.868 1.872	1.884 1.895 1.899 1.903 1.911 1.912 1.916 1.914	1 •833 1 •841 1 •843 1 •844 1 •853 1 •849 1 •835	1.775 1.785 1.791 1.796 1.795 1.789 1.780	1.577 1.584 1.600 1.616 1.655 1.719 1.720	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690	1.768 1.769 1.768 1.766 1.763 1.761 1.756 1.752	1.785 1.787 1.790 1.793 1.794 1.795 1.797 1.799	1 · 842 1 · 849 1 · 852 1 · 849 1 · 855 1 · 853 1 · 857 1 · 860	1.786 1.786 1.786 1.786 1.789 1.789	1.753 1.761 1.762 1.763 1.762 1.759 1.751	1.589 1.602 1.616 1.633 1.665 1.707
Spoiler	.560 .580 .600 .620 .640 .660 .680		1.759 1.764 1.768 1.772 1.769 1.781 1.783 1.790	1.612 1.618 1.621 1.631 1.637 1.645 1.625	1.499 1.507 1.516 1.522 1.528 1.509 1.504	1.504 1.516 1.526 1.528 1.537 1.526 1.517	1.419 1.436 1.449 1.461 1.481 1.471 1.459	.560 .580 .600 .620 .640 .660 .680		1.706 1.711 1.714 1.718 1.715 1.722 1.724 1.727	1.589 1.593 1.595 1.607 1.604 1.620 1.599 1.602	1.493 1.501 1.510 1.517 1.518 1.503 1.491	1.525 1.536 1.544 1.550 1.555 1.546 1.539	1.443 1.459 1.474 1.485 1.500 1.493 1.483
r surface: Upper	.560 .580 .600 .620 .640 .660 .680		1.762 1.765 1.769 1.770 1.772 1.777 1.779 1.781	1.608 1.611 1.621 1.633 1.641 1.661 1.664	1.481 1.489 1.499 1.511 1.533 1.540 1.530 1.522	1.483 1.492 1.496 1.514 1.528 1.539 1.537 1.531	1.402 1.406 1.415 1.428 1.446 1.451 1.437 1.428	.560 .580 .600 .620 .640 .660 .680		1.707 1.713 1.714 1.717 1.717 1.722 1.721 1.724	1.582 1.586 1.592 1.606 1.616 1.632 1.636	1.478 1.478 1.493 1.508 1.526 1.539 1.524 1.518	1.513 1.514 1.524 1.538 1.554 1.565 1.557 1.552	1.431 1.441 1.454 1.454 1.476 1.474 1.457
Deflector Lower	,660 ,680	1.033 .983 .988 1.006 1.023 1.072 1.152 1.162	• 947 • 989 1•034 1•057 1•083 1•080 1•149 1•213	•994 •991 1•044 1•042 1•050 1•064 1•113 1•100	1.052 1.022 1.057 1.067 1.077 1.087 1.096 1.105	1.064 1.131 1.125 1.101 1.132 1.138 1.147 1.134	1.064 1.126 1.160 1.170 1.185 1.236 1.236 1.193	.580 .600 .620 .640 .660	1.008 .964 .967 .998 1.009 1.053 1.140 1.185	.916 .963 1.009 1.032 1.059 1.057 1.128 1.191	• 976 • 973 1•019 1•027 1•036 1•048 1•102 1•091	1.033 1.003 1.043 1.051 1.064 1.073 1.081 1.094	1.053 1.129 1.121 1.100 1.132 1.136 1.146 1.137	1.077 1.132 1.169 1.177 1.194 1.249 1.249

TABLE 7 .- PRESSURE COEFFICIENTS - Concluded

 $\left[\delta_{s} = -0.060 \, c; \, \delta_{d} = -0.00000 \, c\right]$ 

 $\alpha = 23^{\circ}$ 

a = \* 0

x/c		1	Pressure	coefficien	t C <sub>p</sub> at	$\frac{y}{b/2} = -$			F	ressure	coefficient	. Cp at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Upper	.010 .030 .050 .075 .100 .250 .250 .350 .400 .450 .520 .538 .710 .720 .740 .760 .800	1.068 1.703 1.701 1.701 1.702 1.703 1.708 1.718 1.722 1.736 1.743 1.743 1.757 1.754 1.756 1.756 1.740 1.751 1.751 1.740 1.740 1.740 1.740 1.740 1.740 1.740 1.743 1.743 1.743 1.744 1.744 1.745 1.746	1.386 1.731 1.725 1.727 1.730 1.730 1.740 1.740 1.750 1.762 1.762 1.775 1.775 1.781 1.785 1.785 1.785 1.749 1.764 1.764 1.764 1.764 1.764 1.771	1.239 1.737 1.719 1.714 1.716 1.716 1.716 1.716 1.716 1.735 1.735 1.774 1.797 1.005 1.618 1.638 1.648	1.778 1.685 1.674 1.672 1.6672 1.6672 1.672 1.675 1.675 1.675 1.675 1.675 1.775 1.540 1.554 1.554 1.554 1.554 1.554 1.554 1.579 1.591 1.50	1.429 1.613 1.614 1.614 1.614 1.621 1.622 1.629 1.636 1.647 1.671	1.545 1.529 1.529 1.530 1.532 1.532 1.532 1.545 1.545 1.545 1.553 1.553 1.553 1.553 1.553 1.553 1.553 1.553 1.553 1.553 1.553	.000 .010 .030 .050 .075 .100 .250 .350 .450 .520 .538 .710 .740 .760 .780 .880 .850 .950						
Lower	.010 .030 .050 .075 .100 .200 .250 .330 .350 .400 .520 .520 .710 .740 .760 .780 .880 .890 .950	017 017 017 155 232 291 394 457 524 604 696 747 1098 1112 1122 1163 1144 1184 1284 1376	*368 *360 *282 *3300 *338 *378 *461 *5540 *599 *664 *726 *807 *892 *108 *1245 *1111 *145 *1117 *1145 *1234 *13305 *1389	**92. **340 **355 **396 **435 **573 **638 **702 **746 **835 **851 **914 **932 **979 **1133 **1072 **1442 **127 **1445 **197 **1145 **197 **1267 **1347	*398 *374 *50 *442 *94 *569 *588 *702 *750 *851 *904 *940 *940 *940 *1199 *1127 *1199 *1127 *1199 *1159 *1199 *127 *129 *129 *129 *129 *129 *129 *129 *129	.431 .583 .480 .615 .696 .754 .811 .863 .910 .958 .990 1.003 1.193 1.222 1.187 1.187 1.187 1.187	.553 .583 .659 .741 .800 .879 .947 .980 1.007 1.040 1.069 1.121 1.112 1.112 1.156 1.235 1.225 1.225 1.225 1.225 1.281	**O10*** **O30*** **O50*** **O75*** **100*** **150*** **200*** **250*** **350*** **450*** **500*** **520*** **520*** **520*** **520*** **740*** **760*** **850*** **850*** **950** **950**						
Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.768 1.768 1.765 1.762 1.756 1.754 1.747	1.786 1.792 1.792 1.796 1.796 1.797 1.799 1.800	1.797 1.803 1.803 1.803 1.805 1.806 1.809 1.808	1.784 1.784 1.780 1.777 1.782 1.785 1.780	1.724 1.725 1.726 1.724 1.722 1.720 1.717	1.613 1.621 1.639 1.651 1.678 1.714	.560 .580 .600 .620 .640 .660 .680						
Lower	•560 •580 •600 •620 •640 •660 •680 •690		1.706 1.711 1.714 1.718 1.717 1.721 1.722 1.727	1.566 1.572 1.575 1.585 1.589 1.595 1.582 1.583	1.507 1.515 1.526 1.532 1.535 1.519 1.509	1.523 1.530 1.536 1.542 1.551 1.542 1.534	1.456 1.475 1.488 1.500 1.518 1.508	.560 .580 .600 .620 .640 .660 .680						
Upper	•560 •580 •600 •620 •640 •660 •680 •688		1.711 1.711 1.714 1.716 1.720 1.721 1.721	1.558 1.564 1.572 1.581 1.595 1.609 1.611	1.500 1.500 1.512 1.525 1.543 1.553 1.540 1.538	1.510 1.513 1.521 1.532 1.547 1.555 1.551	1.440 1.449 1.458 1.467 1.484 1.490 1.480	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 688						
Lower	.560 .580 .600 .620 .640 .660 .680	.999 .948 .958 .980 .997 1.040 1.131	•902 •949 •998 1•025 1•053 1•051 1•122 1•189	.948 .952 .995 1.004 1.010 1.030 1.076	1.031 1.004 1.038 1.052 1.064 1.075 1.086 1.097	1.032 1.105 1.096 1.079 1.111 1.111 1.126 1.114	1.086 1.132 1.161 1.171 1.188 1.249 1.249	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 688						

TABLE 8 .- PRESSURE COEFFICIENTS

 $\left[\delta_{s} = -0.080 \, c; \, \delta_{d} = -0.00000 \, c\right]$ 

	-40	Los	o, d	
=	-40			

				x = -4°							α = -2°		17	
	x/c		Pressure	coefficier	nt Cp a	$t \cdot \frac{y}{b/2} = -$	-	x/c	F	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	X/C	0.15	0.30	0.50	0.70	0.85	0.97	A/C	0.15	0.30	0.50	0.70	0.85	0.
	•000	1.472	2.625	3.209	2.129	1.651		.000	•392	1.071	2.339	1.655	1.820	
	.010	• 643	.544	0446	.433	0411		.010	.910	. 850	.670	.550	• 453	
	•030	.803	•733	.620	•599	•592		•030	•980	0 944	.814	0730	0694	
	•050	.865	• 797	•704	.665	.664	State of the	•.050	1.008	• 965	.862	0784	0761	
	•075	.869	.841	•754 •789	•721 •761	•724		• 075	1.008	• 978 • 996	. 892	e 826	. 815	
	•100 •150	•902	•874 •901	.824	.806	.765 .819		.150	1.030	1.000	• 912	.854 .883	• 845 • 888	1
	•200	• 954	915	.841	.819	.842		.200	1.031	• 997	0918	.881	.894	
	•250	• 984	.913	.838	.823	.852		• 250	1.053	. 981	906	.871	.892	
	.300	• 953	•909	.838	.819	.849		.300	1.031	0969	.891	.857	.883	
	.350	•978	.884	.807	•799	.835		. 350	1.030	. 937	.851	.831	.868	
Upper	•400	0979	.832	•763	.751	.804		0 400	1.024	. 872	.800	6777	.821	
Id	•450	• 966	0754	•689	0693	0741		. 450	1.004	• 781	•710	0715	.750	
2	•500	0964	•596	•578	•558	•639		•500	. 996	• 615 • 540	4598	•578	.642 .589	
	•520	• 949	•525 •451	•537 •499	•536 •501	• 594		•520 •538	•973 1•006	.468	«547 «514	•549 •501	•559	
	•538 •710	1.364	1.833	1.657	1.350	1.360		.710	1.380	1.801	1 4 6 4 6	1.349	1.367	
	.720	1.397	1.807	1.618	1.356	1.343		.720	1.417	1.792	1.645	1.350	1.365	
	.740	1.442	1.816	1.657	1.373	1.363		.740	1.453	1.791	1.649	1.363	1.364	
	.760	1.442	1.812	1.665	1.392	1.366		.760	1.461	1.783	1.652	1.379	1.367	
	•780	1 . 474	1.809	1.669	1.401	1.376		780	1.491	1.777	1 4 6 4 9	1.387	1.368	
	.800	1 . 432	1.810	1.662	1.412	1.366	8 8 9 1	.800	1.459	1,777	1.652	1.395	1.369	
	.850	1.369	1.759	1.655	1.396	1.377		.850	1.412	1.743	1 . 649	1.407	1.369	
	.950	1.139	1.448	1.343	1.423	1.237		• 950	1.213	1.580	1.520	1.423	1.333	
1	1.000	1.070	•764	547	1.384	1.158		1.000	1.148	. 854	a 806	1.405	1.282	
	010	1 520	1 700	2 101	2 224	1 015		•010	1 170	1 260	1 420	3 045	1 071	
	.010	1.529	1.792	2.101	2.236	1.915		.030	1.178	1.368	1.629	1.865	1.971	
	.050	1.252	1.452	1.648	2.050	1.805		• 050	1.095	1.246	1.386	1.494	1 . 645	
	0075	1.209	1.395	1.568	1.861	1.744	Trans.	.075	1.079	1.230	1.412	1.416	1.425	
	.100	1.209	1.373	1.466	1.702			•100	1.097	1.233	1.325	1.413		
	.150	1.262	1.390	1.455	1.505	1.528		• 150	1.166	1.286	1.355	1 . 349	1.321	
	•200	1.213	1.399	1.377	1 0 443	1.435		• 200	1.129	1.310	1.295	1.338	1.329	
	• 250	1.219	1.383	1.384	1.419	1.377		• 250	1 0 1 4 5	1.303	1.317	1.341	1.298	
	•300	1.306	1.396	1.390	1.381	1 0 3 4 7		• 300 • 350	1.241	1.328	1.336	1.313	1.284	
H		1.307	1.407	1.362	1.365	1.320		0400	1.324	1.395	1.314	1.296	1.281	
We		1.396	1.367	1.326	1.339	1.284		. 450	1.358	1.329	1.310	1.303	1.268	
Lower		1.379	1.388	1.345	1.321	1.276		• 500	1.342	1.356	1.330	1.293	1.259	
		1.372	1.409		1.328	1.275		.520	1.331	1.374	1.318	1.293	1.258	
		1.383	1.533	1.393	1.359	1.306		.540	1.344	1.519	1.374	1.329	1,305	
	.710	1.370	1.458	1.343	1.376	1.297		.710	1.358	1 . 465	1.348	1.349	1.301	
		1.340	1.306	1.209	1.285	1.298		.740	1.333	1.309	1.232	1.268	1.302	
	.760	1.325	1.299	1.279	1.279	1.261		.760	1.318	1.305	1.287	1.263	1.252	
	•780	1 . 325	1.286	1.252	1.272	1.257		• 780	1.324	1.292	1.262	1.257	1.252	
	.800	1.295	1.254	1.256	1.274	1.258		.800	1.293	1.256	1.259	1.252	1.247	
	.850	1.247	1.238	1.236	1.259	1.252		.850	1.251	1.262	1.256	1.251	1.246	
	•900	1.217	1.204	1.247	1.280	1.268		• 900	1.227	1.239	1 0 2 6 9	1 0 2 6 6	1.265	
	•950	1.166	1.145	1.175	1.302	1.208		• 950	1.184	1.221	1.290	1.303	1.278	
	.560	1.025	• 395	.482				• 560	1.045	. 410	.500			
	•580	1.044	•508	•522	.519	.580		•580	1.068	.516	•500 •536	.526	0576	
le1	•600	1.096	.618	0625	•608	.679		.600	1.111	. 635	0637	0614	· 682	
Id	•620	1.160	•746	•741	.678	• 765		.620	1.171	• 757	• 752	e688	0763	
2	•640	1.204	.860	.857	•768	.872		0640	1.209	• 876	.871	0773	.880	
	•660 •680	1.312	1.011	1.203	.858 .999	•972 1•107		•660	1.318	1.020	1.225	a865	4981	
Upper	.690	1.374	1.406	1.398	1.116	1.265		690	1.376	1.406	1.408	1.012	1.115	
		- 1 1		,0			7			/00	20,00		20210	
Lower	•560		1.817	1.596				.560		1.783	1.580			
	•580		1.820	1.619	1.294	1.377		•580				1.309	1.370	
er	.600		1.825	1.633	1.299	1.376		• 600		1.789	1.606	1.316	1.369	
B	•620		1.826	1.650	1.317	1.377		•620		1.792	1.621	1 . 322	1.367	
I	•640		1.822	1.655	1.324	1.369		• 640		1.788	1 . 624	1.332	1.363	
	•680		1.824	1.660	1.318	1.373		•660		1.793	1.637	1.325	1.366	
	•690		1.824	1.645	1.303	1.355	190	.690		1.801	1.640	1.309	1.364	
				THE REAL PROPERTY.	1277									
	•560		1.811	1.579	1.272	1.350		• 560		1.787	1.576	1.286	1.354	
84	•580		1.817	1.601	1.278	1.371		•580		1.788	1.583	1.293	10372	
9e	•620		1.821	1.630	1.289	1.375		•600		1,791	1.602	1.304	1.366	
Jp	•640		1.833	1.661	1.362	1.364		.640		1.790	1.620	1.321	1.363	
-	.660		1.825	1.664	1.388	1.358		.660		1.790	1.638	1.378	1.359	
	.680		1.833	1.696		1.362		•680		1.796	1.667	1.355	1.360	
	•688			1.649		1.358	7 10 1	.688		1.775	1 . 643	1.346	1.356	
		1											THE WATER	
	•560	1 . 451	1.383	1.369	1.341	1.281		• 560	1.423	1.351	1.341	1.312	1.255	
		1.387	1.357	1.339	1.368	1.312	1995	• 580		1.328	1.284	1.337	1.300	
		1.372	1.373	1.331	1.329	1.297				1.356	1.312	1.301	1.281	
MC		1.361	1.371	1.294	1.318		1- 3		1.338	1.355	1.295	1.291	1.257	
		1.376	1.343	1.311	1.284	1.277			1.331	1.331	1.285	1.282	1.266	A
				1.306		1.266			1.408	1.358	1.311	1.328	1.259	
				1.278	1.335	1.253			1.147	1.350	1.291	1.320	****	

TABLE 8 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.080 \, c; \, \delta_{d} = -0.00000 \, c\right]$ 

_				= 0		37				C		O ot	V	
	x/c	I	ressure	coefficient	t C <sub>p</sub> at	$\frac{\sqrt{b}}{b/2} = -$	-	x/c	F	ressure co	pefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	X/C	0.15	0.30	0.50	0.70	0,85	0.97	2/0	0.15	0.30	0.50	0.70	0.85	0.97
	000	.305	•521	. 216	.593	1.004	.246	.000-	•294	• 295	•157	• 365	.465	.33
	.000	1.310	1.268	.316 1.033	834	•707	.871	.010	1.687	1.772	1.578	1.339	1.180	1.16
	.030	1.181	1.179	1.034	.928	. 882	1.007	.030	1.390	1 . 437	1.319	1.191	1.099	1.16
	.050	1.183	1.140	1.029	.948	915	1.045	. 050	1.344	1.329	1.238	1.115	1.092	1.15
	.075	1.110	1.123	1.018	.960	.940	1.052	.075	1.244	1.264	1.182	1.094	1.082	1.11
	•100	1.112	1.117	1.026	.968	. 953	1.064	.100	1.226	1.250	1.163	1.089	1.059	1.11
	.150	1.118	1.095	1.009	.971	.980	1.069	. 150	1.209	1.185	1.108	1.057	1.053	1.09
-	.200	1.098	1.070	•983	. 952	.961	1.059	.200	1.174	1.143	1.062	1.019	1.011	1.07
	•250	1.106	1.041	.957	.932	. 935	1.048	e 25 0	1.176	1.102	1.019	. 980	.970	1.05
	.300	1.080	1.020	.938	.910	.928	1.038	.300	1.138	1.074	. 984	0 944	• 948	1.03
Su	.350	1.072	.982	.887	.865	.902	1.021	e 350	1.121	1.022	• 921	.892	•920	1.01
Upper	.400	1.059	.908	.821	.797	ø843	.975	. 400	1.107	• 942	.847	.816	.843	. 97
d	.450	1.032	.811	.729	.730	.771	.947	o 45 0	1.070	. 824	.745	•724	• 760	. 92
P	.500	1.019	.629	.610	.593	.650	.846	.500	1.049	.664	• 653	0617	•647	.83
	.520	.996	.563	•568	.551	•597	.810	•520	1.026	. 627	• 635	0611	.612	079
	.538	1.025	.514	.543	.509	.561	•772	• 538	1.049	.607	• 622	.599	•600	07
	.710	1.376	1.705	1.601	1.365	1.376	1 403	.710	1.368	1.661	1.550	1.373	1.359	1.4
	.720	1.410	1.693	1.602	1.368	1.373	1.405	.720	1.406	1.647	1.549	1.373	1.354	1.40
	.740	1 . 443	1.693	1.606	1.377	1.373	1.406	a 740	1.433	1.644	1.554	1.382	1.361	104
	.760	1.451	1.697	1.607	1.389	1.373	1.409	.760	1.446	1.655	1.553	1.386	1.361	104
	.780	1.486	1.701	1.607	1.397	1.375	1.411	• 780	1 . 484	1.672	1.554	1.395	1.362	1.4
	.800	1.460	1.718	1.606	1.407	1.373	1.415	. 800	1.468	1 695	1.554	1.400	1.359	1.4
	.850	1 . 442	1.728	1.609	1.413	1.376	1.424	. 850	1.476	1.709	1.557	1:401	1.369	1.4
	.950	1.257	1.612	1.551	1.421	1.367	1 • 435	• 950	1.308	1.608	1.527			1.4
	1.000	1.172	•932	1.009	1.410	1.341	1.379	1.000	1.215	. 991	1.157	1.390	1.334	
	.010	.882	1.016	1.173	1.409	1.561	1.525	.010	• 653	• 718	•796	• 963	1.078	1.2
	.030	•904	1.049	1.175	1.302		1.410	.030	• 743	• 823	.906	1.015	1	
	.050	. 935	1.064	1.166	1.270	1.436	1.329	. 050	.801	. 879	• 958	1.069	1.051	1.2
	.075	• 946	1.087	1.235	1.242	1.237	1.283	•075	.842	• 938	1.054	1.054	1.051	1.02
	.100	.976	1.111	1.175	1.273		1.260	.100	.878	.980	1.022	1.108	1 004	1.1
	.150	1.065	1.185	1.240	1.234	1.209	1.219	.150	.976	1.081	1.116	1.108	1.084	
	.200	1.043	1.228	1.195	1.254	1.251	1.224	. 200	• 968	1.137	1.092	1.143	1.145	1.1
	.250	1.065	1.234	1.229	1.271	1.239	1.211	. 250	1.000	1.151	1.141	1.180	1.156	1.1
	.300	1.172	1.265	1.266	1.250	1.289	1.206	e 300	1.111	1.191	1.189	1.172	1.176	101
54	.350	1.214	1.295	1.249	1.260	1.246	1.203	o 350.		1.226	1.178	1.191	1.182	101
76	.400	1.260	1.348	1.310	1.252	1.247	1.213	. 400	1.211	1.286	1.252	1.193	1.193	1.1
Lower	.450	1.305	1.290	1.262	1.268	1.251	1.225	. 450	1.263	1.230	1.212	1.216	1.202	1.2
리	.500	1.290	1.326	1.288	1.262	1.238	1.222	.500	1.251	1.268	1.243	1.215	1.199	1.2
- }	.520	1.281	1.345	1.279	1.269	1.241	1.234	a 520	1.242	1.294	1.234	1.226	1.199	1.2
	.540	1.296	1.494	1.340	1.311	1.294	1.255	0540	1.260	1.448	1.301	1.271	1.253	1.2
	.710	1.337	1.465	1.339	1.347	1.302	1.321	.710	1.319	1.442	1.320	1.328	1.270	102
	.740	1.309	1.305	1.216	1.255	1.304	1.470	.740	1.292	1.284	1.201	1.239	1.275	1.3
	.760	1.295	1.303	1.276	1.255	1.249	1.315	.760	1.289	1.284	1.262	1.232	1.220	1.2
	.780	1.311	1.291	1.250	1.249	1.253	1.335	.780	1.313	1.278	1.239	1.229	1.221	102
	.800	1.278	1.259	1.251	1.246	1.241	1.346	.800	1.270	1 . 242	1.241	1.227	1.215	102
	.850	1.246	1.277	1.255	1.244	1.249	1.348	• 850	1.238	1.270	1.251	1.231	1.220	103
	.900	1.228	1.264	1.271	1.268	1.266	1.362	• 900	1.233	1.270	1.274	1.251	1.242	103
	.950	1.201	1.269	1.311	1.298	1.292	1.392	• 950	1.217	1 . 287	1.315	1.283	1.283	103
	•560	1.063	.467	•527				.560	1.081	.562	.611			
	.580	1.078	.525	.544	•524	.572	.792	• 580	1.097	. 562	.606	•573	•581	
eī	.600	1.121	.635	.636	.618	.677	.865	.600	1.134	.629	.653	.618	• 653	
Upper	.620	1.174	.762	.753	.693	.769	•920	.620	1.186	•747	.746	.690	.748	- 0
D	.640	1.215	.884	.872	.786	.883	.990	. 640	1.218	. 869	.856	• 777	•862	
D	.660	1.312	1.027		.879	. 993	1.057	. 660	1.311	1.013		.874	.973	100
	.680	1.337	1.255	1.213	1.030	1.131	1.153	. 680	1.336	1 . 240	1.185	1.039	1.118	10
	.690	1.368	1.401	1.387	1.158	1.292	1.256	<b>690</b>	1.366	1.381	1 • 345	1.161	1.271	1
Lower	.560		1.751	1.539				.560		1.701	1.497			
	.580		1.752	1.550	1.332	1.380	1.398	.580		1.700	1.506	1 . 344	1.357	1.
1 24	.600		1.751	1.562	1.337	1.374	1.400	.600		1.702	1.514	1.350	1.355	10
We.	.620		1.750	1.575	1.349	1.373	1.403	· 620		1.699	1.523	1.357	1.354	10
9	.640		1.743	1.579	1.349	1.369	1.400	e 640		1.694	1.523	1.359	1.351	1.
Н	.660		1.745	1.593	1.348	1.373	1.403	. 660		1.701	1.539	1.357	1.357	1.
	.680		1.755	1.585	1.342	1.375	1.400	· 680		1.709	1.534	1.355	1.350	1.
	.690		1.762	1.597	1.338	1.373	1.397	.690		1.718	1.539	1.352	1.354	1.
	. 540		1.749	1.538	1.308	1.359	1.369	o 560		1.700	1.495	1.324	1.342	1.
	•560 •580		1.755	1.543	1.318	1.372	1.392	.580		1.701	1.498	1.334	1.354	10
per	.600		1.751	1.556	1.323	1.372	1.389	.600		1.699	1.509	1 . 346	1.352	10
be	•620		1.750	1.576	1.338	1.368	1.397	. 620		1.701	1.528	1.361	1.348	10
d'D	•640		1.755	1.582	1.369	1.370	1.399	. 640		1.705	1.531	1.379	1.352	1 .
	.660		1.756	1.593	1.385	1.365	1.401	.660		1.704	1.543	1 . 382	1.351	10
Upp	.680		1.745	1.613	1.367	1.363	1.396	. 680		1.688	1.565	1.370	1.350	1.
	.688		1.726	1.601	1.359	1.363	1.392	. 688		1.665	1.549	1.366	1.351	1.6
	.540	1.280	1.324	1,310	1,291	1.241	1.186	. 560	1.355	1.280	1.273	1.251	1.201	1.
	•560 •580	1.389	1.306	1.310	1.291	1.241	1.201	• 560 • 580		1 . 265				1.
H	•600		1.332	1.282	1.284	1.272	1.223	a 600	1.266	1 . 294	1.250	1.249	1.243	1.
Wer	.620		1.336	1.266	1.276	1.250	1.250	o 620	1.272		1.237	1.243	1.215	1.
Lower	.640		1.344	1.255	1.267	1.262	1.272	o 640			1.228	1.238	1.227	1.
H			1.321	1.289	1.256	1.258	1.355	.660	1.301		1.263	1.227	1.226	1.
			1.347	1.298	1.324	1.254	1.383	.680			1.273	1.297	1.222	10
	·680							.688	1.123	1.313	1.251	1.289	1.209	

TABLE 8 .- PRESSURE COEFFICIENTS - Continued  $\begin{bmatrix} \delta_{-} = -0.080 \text{ c: } \delta_{-2} = -0.00000 \text{ c} \end{bmatrix}$ 

	,		Pressure	coefficien	t Cp a	$t \frac{y}{b/2} = -$	-		F	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Surface: Upper	.000 .010 .030 .050 .075 .100 .200 .200 .350 .450 .450 .520 .538 .710 .740 .740 .760 .780 .850 .850	*650 2.450 1.761 1.593 1.434 1.338 1.286 1.218 1.173 1.108 1	. 420 2.328 1.959 1.645 1.470 1.294 1.294 1.280 1.180 1.085 .999 .903 .768 .724 1.661 1.674 1.674 1.674 1.724 1.748 1.74	294 1.702 1.683 1.493 1.401 1.262 1.174 1.110 1.055 .922 .925 .853 .780 .757 .724 1.530 1.535 1.540 1.540 1.544 1.544 1.544 1.544 1.544 1.544 1.544 1.544	*646 1.759 1.556 1.430 1.335 1.266 1.179 1.107 1.048 .999 .941 .874 .814 .719 .739 .726 1.370 1.370 1.375 1.378 1.378 1.378 1.378 1.378 1.378 1.378	361 1.792 1.397 1.316 1.258 1.150 1.084 1.033 .993 .942 .867 .709 .709 .709 .709 .1350 1.350 1.356 1.376 1.376	*650 1.780 1.437 1.326 1.226 1.227 1.160 1.124 1.092 1.068 1.032 2.077 4.916 854 9.851 1.445 1.455 1.4	.000 .010 .030 .050 .075 .100 .150 .250 .350 .490 .500 .538 .710 .720 .740 .780 .880 .850 .950	1.047 4.183 1.801 1.591 1.559 1.459 1.383 1.348 1.289 1.262 1.235 1.194 1.172 1.466 1.497 1.501 1.527 1.503 1.457 1.503	.739 2.773 2.618 2.143 1.695 1.552 1.427 1.317 1.260 1.187 1.104 1.009 1.895 1.861 1.827 1.712 1.700 1.716 1.774 1.763 1.774 1.763	. 427 1.714 1.708 1.688 1.650 1.595 1.489 1.382 1.287 1.206 1.130 1.070 1.010 .950 931 1.529 1.532 1.558 1.558 1.558 1.558 1.558 1.568 1.568	.773 1.520 1.521 1.456 1.391 1.221 1.221 1.225 1.154 1.107 1.934 1.019 1.003 1.384 1.019 1.397 1.397 1.404 1.397 1.404 1.397	.399 1.521 1.445 1.349 1.299 1.250 1.212 1.172 1.136 1.096 1.0027 1.012 1.019 1.376 1.376 1.376 1.384 1.384 1.384 1.386 1.386	.868 1.820 1.660 1.572 1.459 1.265 1.223 1.190 1.174 1.153 1.106 1.067 .895 1.474 1.470 1.479 1.503 1.503 1.501 1.
Lower	010 0130 050 075 100 150 220 330 350 450 540 740 760 780 880 850 950	.434 .570 .650 .716 .768 .875 .883 .926 1.038 1.199 1.1193 1.217 1.288 1.270 1.264 1.224 1.224 1.222 1.218	*532 *654 *736 *808 *863 *975 1048 1.071 1.116 1.117 1.218 1.244 1.249 1.252 1.242 1.242 1.242 1.242	*606 *741 *810 *889 *916 1.001 1.006 1.115 1.195 1.198 1.298 1.292 1.177 1.224 1.214 1.214 1.222 1.256 1.306	*655 *778 *913 *889 *954 *987 1.041 1.089 1.118 1.127 1.158 1.164 1.173 1.220 1.294 1.206 1.200 1.201 1.201 1.201 1.202 1.202 1.202 1.202 1.203	*764 1.009 *922 2.999 1.071 1.092 1.115 1.141 1.159 1.172 1.172 1.230 1.263 1.269 1.214 1.208 1.216 1.224 1.238	. 868 1.019 1.058 1.099 1.123 1.137 1.155 1.158 1.164 1.170 1.181 1.185 1.218 1.221 1.348 1.228 1.248 1.248 1.248 1.275 1.283 1.309	*010 *030 *050 *075 *100 *150 *200 *250 *400 *550 *400 *520 *540 *710 *760 *880 *880 *990	*293 *445 *537 *615 *677 *785 *810 *858 *960 1.030 1.035 1.140 1.140 1.140 1.140 1.125 1.225 1.225 1.225 1.225 1.255 1.256 1.2	. 429 .539 .627 .708 .766 .864 .943 .995 1.047 1.092 1.161 1.122 1.170 1.345 1.345 1.218 1.213 1.213 1.213 1.213 1.213	. 494 622 694 774 814 900 918 1037 1.047 1.130 1.102 1.142 1.137 1.202 1.137 1.202 1.137 1.178 1.178 1.178	*556 *677 *789 *796 *866 *916 *996 1.030 1.060 1.075 1.109 1.112 1.181 1.265 1.175 1.172 1.173 1.173 1.173 1.173 1.173	*613 *860 *823 *993 10017 10046 10076 10185 10177 10176 10227 10173 10160 10168 10192 10244	748 914 983 1043 1081 1107 1137 1157 1157 127 127 127 127 127 127 127 12
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.135 1.140 1.178 1.226 1.256 1.346 1.365 1.397	.622 .666 .732 .825 .925 1.053 1.260 1.397	.719 .741 .793 .861 .940	•708 •747 •785 •850 •924 1•058	.682 .715 .778 .869 .961 1.113	.813 .834 .893 .979 1.062 1.177	.560 .580 .600 .620 .640 .660 .680	1.193 1.204 1.238 1.278 1.311 1.394 1.410 1.438	.781 .815 .860 .935 1.018 1.134 1.323 1.454	.900 .899 .932 .981 1.034	• 979 • 994 1•008 1•033 1•077 1•154 1•223	.993 1.004 1.029 1.066 1.118 1.191 1.286	.854 .888 .929 .991 1.059 1.165
Spoiler Lower	•560 •580 •600 •620 •640 •660 •680 •690		1.713 1.713 1.716 1.711 1.701 1.713 1.726 1.732	1.487 1.493 1.501 1.509 1.509 1.516 1.502 1.509	1.345 1.353 1.361 1.359 1.359 1.355	1.350 1.349 1.350 1.351 1.347 1.347	1.407 1.415 1.419 1.420 1.430 1.428 1.426	•560 •580 •600 •640 •660 •680 •690		1.774 1.777 1.773 1.773 1.761 1.772 1.786 1.794	1.492 1.498 1.507 1.514 1.506 1.504 1.491	1.345 1.352 1.367 1.369 1.367 1.361 1.359	1.370 1.369 1.367 1.364 1.368 1.369	1 • 424 1 • 431 1 • 445 1 • 445 1 • 445
r surface: Upper	.560 .580 .600 .620 .640 .660 .680		1.712 1.717 1.720 1.726 1.732 1.712 1.679 1.658	1.480 1.489 1.495 1.509 1.519 1.540 1.556	1.328 1.336 1.348 1.359 1.368 1.365 1.358	1.331 1.345 1.344 1.353 1.352 1.352 1.349	1.383 1.406 1.405 1.415 1.422 1.420 1.412 1.399	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 688		1.769 1.777 1.785 1.796 1.801 1.778 1.736 1.719	1.479 1.488 1.504 1.519 1.534 1.555 1.563 1.539	1.321 1.332 1.345 1.358 1.380 1.377 1.365 1.358	1.349 1.359 1.362 1.365 1.368 1.367 1.366 1.365	1.397 1.414 1.419 1.438 1.456 1.452
Deflector Lower	.580 .600 .620 .640 .660	1.310 1.232 1.227 1.233 1.232 1.267 1.334 1.114	1.231 1.217 1.250 1.256 1.267 1.244 1.278	1.230 1.179 1.213 1.204 1.195 1.236 1.245 1.225	1.204 1.245 1.208 1.204 1.200 1.191 1.263 1.254	1.182 1.238 1.224 1.195 1.215 1.211 1.211 1.193	1.146 1.165 1.186 1.205 1.226 1.297 1.317 1.243	.580 .600 .620 .640 .660	1.255 1.185 1.176 1.183 1.185 1.220 1.288 1.105	1:180 1:170 1:203 1:216 1:227 1:207 1:239 1:237	1.180 1.127 1.166 1.155 1.149 1.187 1.198 1.177	1.161 1.206 1.173 1.169 1.167 1.156 1.230 1.221	1.135 1.196 1.179 1.147 1.164 1.163 1.164 1.152	1.15 1.15 1.17 1.18 1.20 1.26 1.27 1.23

TABLE 8 .- PRESSURE COEFFICIENTS - Continued

δ<sub>c</sub> = -0.080 c; δ<sub>d</sub>= -0.00000 c

	α	= 80		LS		u					
P	Pressure coefficient $C_p$ at $\frac{y}{b/2} = -$										
5	0.30	0.50	0.70	0.85	0.97	X,					
	0.25	. 502	. 994	.626	1.154						

	Pr	essure co	efficient	Cp at	$\frac{y}{b/2} = -$	
x/c	0.15	0.30	0.50	0.70	0.85	0.97
.000	1.963	1.203	.776	1.199	.810	1.111
.010	4.179	2.533	1.958	1.625	1 . 455	1.613
.030	4.186	2.528	1.948	1.617	1 • 445	1.569
.050	3 • 415	2.524	1.945	1.622	1.448	1.467
.075	2.200	2.550	1.929	1.614	1.443	1.435
. 150	1.714	2.650	1.912	1.610	1.441	1.415
.200	1.588	2 . 485	1.902	1.604	1.435	1.416
. 250	1.525	2 • 202	1.911	1.607	1 . 440	1.423
• 300 • 350	1.447	1.875	1.916	1.610	1.447	1.436
• 400	1.357	1.330	1.851	1.608	1.467	1.430
. 450	1.311	1.141	1.795	1.598	1.467	1.428
.500	1.274	.917	1.735	1 . 464	1 . 464	1.393
.520	1.255	• 846	1.669	1.563	1.457	1.365
• 538	1.252	• 790 1•659	1.633	1.467	1.451	10444
• 710 • 720	1.434	1.664	1.548	1.474	1.409	1 0 449
.740	1 . 474	1.678	1.560	1 . 471	1.418	1.450
.760	1.492	1.684	1.566	1.472	1.424	1.453
.780	1.531	1.682	1.559	1.470	1.430	1.453
.800	1.524	1.673	1.546	1 . 465	1 • 431	1.453
. 850	1.509	1.605	1.353	1.442	1.429	1.443
.950	1.220	1.009	1.288	1.338	1.336	1.425
.010	•115	• 333 • 377	• 355	• 392	• 458	•640 •795
.030	•232 •333	• 377 • 456	· 448	• 495 • 587	.688	e 882
.075	• 425	•528	.598	.627	.674	0961
.100	• 499	.590	.650	•695		1.002
. 150	•612	.696	• 747	•770	.812	1.057
.200	•672	•775	•791 •854	.829 .879	.882 .923	1.100
• 250	•737 •826	• 826 • 893	.910	•917	.963	1.139
• 300 • 350	•913	• 951	.936	954	1.004	1.164
. 400	.961	1.024	1.017	• 978	1.026	1.179
. 450	1.023	. 993	1.004	1.020	1.053	1.187
.500	1.035	1.046	1.049	1.034	1.069	1.207
• 520	1.035	1.074	1.043	1.046	1.070	1.221
• 540	1.058	1.219	1.109	1.099	1.192	1.220
•710 •740	1.166	1.130	1.064	1.112	1.193	1.286
.760	1.157	1.136	1.126	1.121	1.154	1.230
.780	1.189	1.134	1.103	1.118	1.150	1.240
.800	1.144	1.103	1.109	1.122	1.150	1.253
. 850	1.129	1.141	1.121	1.133	1.158	1.250
900	1.141	1.144	1.168	1.200	1.236	1.310
.560	1.244	.681	1.608			
.580	1.244	• 745	1.574	1.532	1.448	1.349
.600		• 766 • 812	1.554	1.508	1.442	1.348
.620 .640		.869	1.453	1.495	1.435	1.344
. 660	1.346	. 956		1.489	1.432	1.354
.680	1.372	1.163	1 . 449	1.484	1.418	1.360
. 690	1.393	1 • 292	1.498	1 • 459	1.428	1.388
.560 .580		1.588	1.510	1.452	1.382	1.414
.600		1.595	1.522	1 . 452	1.392	1.422
.620		1.606	1.526	1 0 454	1.393	1.430
. 640		1.610	1.520	1 0 451	1.396	1.431
.680	)	1.624	1.519	1.451	1.386	1:429
. 690		1.639	1.538	1.467	1.391	1.430
.560		1.582 1.588	1.509	1 . 444	1.378	1.406
.580	)	1.588	1.514	1 • 448	1.378	1.412
· 600		1.601	1.527	1.460	1.397	
.640		1.604	1.529		1.405	1 0 4 3 9
. 660		1.610	1.532	1.469	1.404	
.686		1.606				1 0 4 3 8
• 560	1.152	1.073	1.086	1.074	1.091	1:157
.600	1.084	1.101	1.083	1.093		
620 640		1.128	1.073			1.219
0 66		1.110	1.108			1.262
. 68		1.146	1.121	1.162	1.135	1.258
.68	8 1.098	1 . 144	1.102			

a = 100

T	x/c	P	ressure c	oefficient	C <sub>p</sub> at	at $\frac{y}{b/2} = -$				
	x/C	0.15	0.30	0.50	0.70	0.85	0.97			
	•000	1.736	•925	•582	• 994	•626	1.154			
	.010	4.181	2.398	1.862	1.576	1 • 446	1.867			
	•030	2.250	2.445	1.859 1.857	1.573	1.431	1.693			
	•050	2.013	2.484	1.850	1.567	1.420	1.530			
	.075 .100	1.682	2.515	1.840	1.565	1.407	1.452			
	.150	1.565	2.444	1.820	1.562	1.384	1.392			
	.200	1.476	2.062	1.806	1.553	1.357	1.368			
	.250	1.430	1.649	1.789	1.548	1.341	1.353			
	.300	1.363	1.341	1.750	1.545	1.325	1.344			
FI	.350	1.325	1.171	1.686	1.538	1.309	1.333			
Ipper	•400	1.290	1.061	1.592	1.519	1.299	1.297			
d D	•450	1.235	• 954 • 757	1.501	1.505	1.294	1.172			
	•500 •520	1.196	.677	1.377	1.469	1.288	1.123			
	•538	1.177	.607	1.341	1.457	1.286	1.074			
	.710	1.395	1.657	1.506	1 . 477	1.429	1.475			
	.720	1 • 425	1.645	1.514	1.483	1 . 430	1 6 4 7 4			
	.740	1 . 458	1.676	1.525	1.492	1 • 442	1.478			
	.760	1.482	1.687	1.535	1.497	1 • 453	1.480			
	.780	1.526	1.694	1.544	1.496	1 . 461	1.479			
2	.800	1.520	1.697	1.553	1.488	1.460	1.478			
2	.850	1.522	1.661	1.539	1.362	1.377	1.462			
	.950 1.000	1.327	.983	1.297	1.297	1.324	1.441			
wing burrace.			• 352	•397	• 453	•524	.674			
≥	.010 .030	•180 •321	• 440	.519	•572	. 72 4	.843			
	050	. 424	.519	.600	.699	•779	•924			
	.075	•508	.600	•683	.699	.739	1.003			
- 4	.100	•577	.663	•728	.767	0.7	1.042			
	•150	.685	•763	.818	.833	.867	1.085			
	.200	• 735	.840	.858	.891 .940	•931 •963	1.130			
	• 250	• 787	.891 .960	•919 •968	• 956	1.003	1.142			
	•300 •350	•897 •972	1.010	•996	999	1.038	1.159			
er	• 400	1.016	1.079	1.077	1.017	1.058	1.171			
ower	• 450	1.076	1.042	1.049	1.050	1.078	1.176			
A	•500	1.084	1.096	1.093	1.063	1.089	1.189			
	•520	1.084	1.119	1.090	1.077	1.087	1.203			
	.540	1.105	1.270	1.152	1.128	1.147	1.218			
	•710	1.203	1.313	1.203	1.209	1:209	1.220			
-	.740	1.196	1.162	1.092	1.128	1.200	1.313			
	.760	1.189	1.169	1.155	1.123	1.149	1.231			
	•780	1.222	1.163	1.129	1.121	1.144	1.252			
	•800	1 . 172	1.140	1.134	1.117	1.150	1.244			
	.850 .900	1.157	1.183	1.161	1.144	1.165	1.257			
	• 950	1.175	1.189	1.195	1.181	1.224	1.311			
	•560	1.186	•537	1.321 1.270	1 • 428	1.277	1.038			
H	•580	1.186	.615 .698	1.242	1.414	1.277	1.071			
be.	.600 .620	1.238	•790	1.220	1.385	1.287	1.095			
o: Upper	•640	1.259	.881	1.181	1.369	1.299	1.129			
300	•660	1.328	1.000		1.356	1.320	1.173			
rf	•680	1.351	1.203	1.254	1.371	1.342	1.240			
Spoiler surface: U	•690	1.376	1.330	1.339	1.380	1.376	1.320			
iler	•560		1.597	1.447	1.454	1.410	1.439			
od s	•580 •600		1.602	1.479	1.454	1.415	1.442			
g e	.620		1.608	1.491	1.465	1.423	1 . 452			
Sr	e640		1.610	1.481	1 . 455	1.418	1.459			
H	.660		1.622	1.471	1.454	1.423	1.454			
	•680		1.633	1.455	1.454	1.414	1.446			
	•690		1.635	1.460	1.460	1.415	1.444			
	•560 •580		1.584	1.448	1 • 439	1.400	1.414			
F4 (0)	•600		1.603	1.472	1.457	1.415	1.430			
do	•620		1.605	1.498	1.465	1.416	1 . 45			
ce	•640		1.606		1.469		1.46			
fa	•660		1.599	1.513			1.47			
sur	•680 •688		1.588	1.502	1.469	1.421	1.43			
ctor	•560	1.197	1.119	1.132	1.102	1.098	1.13			
Je	•580	1.130		1.086	1.151		1.16			
er	•600			1.118			1.19			
U W	•620			1.106			1.20			
ŭ	2660					1.141	1.25			
				1.151	1.176	1.141	1.25			
	.688		1.177	1.134	1.166	1.128	1.24			
Deflector surface: Lower	•640 •660 •680	1.135 1.138 1.172 1.247	1.606 1.599 1.591 1.588 1.119 1.112 1.143 1.154 1.169 1.146	1.511 1.513 1.502 1.496 1.132 1.086 1.118 1.112 1.106 1.144 1.151	1.469 1.470 1.469 1.469 1.102 1.151 1.115 1.115 1.115	1.426 1.423 1.421 1.416 1.098 1.172 1.151 1.119 1.141	1 · 4 1 · 4 1 · 4 1 · 1 1 · 1 1 · 1 1 · 2 1 · 2 1 · 2			

TABLE <sup>8</sup>.- PRESSURE COEFFICIENTS - Continued  $\left[ \delta_{g} = ^{-0.080} c; \; \delta_{d} = ^{-0.0000} c \right]$ 

				$x = 12^{\circ}$							$\alpha = 14^{\circ}$			
	**/0		Pressure	coefficien	t Cp a	$t \frac{y}{b/2} = -$	-	-/-	F	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	.000	1.332	1.333	.913 1.949	1.375	•918 1•521	1.399	•000	1.142	1.357	1.024	1.683	1.168	1.661
	•030	2 889	2.407	1.949	1.627	1.520	1.654	.030	2.347	2.231	1.930	1.758	1.676	1.753
	.050	2.954	2.395	1.928	1.630	1.528	1.649	.050	2.361	2.228	1.926	1.762	1.685	1.761
	•075	2 . 874	2.375	1.918	1.630	1.532	1.642	•075	2.359	2 • 226	1.917	1.766	1.686	1.766
	•100 •150	2.786	2.366	1.910	1.631	1.528	1.638	• 100 • 150	2.353	2.221	1.910	1.762	1.687	1.773
	.200	2.153	2.385	1.891	1.637	1.543	1.661	.200	2.287	2.211	1.893	1.771	1.707	1.809
793	•250	1.829	2.335	1.894	1.643	1.556	1.680	• 250	2.199	2.207	1.887	1.779	1.730	1.833
	•300 •350	1.613	2.236	1.900	1.645	1.568	1.692	• 300	2.053	2.189	1.877	1.787	1.743	1.847
Upper	•400	1 . 477	1.933	1.873	1.640	1.580	1.692	• 400	1.772	2.080	1.852	1.796	1.762	1.857
(d)	•450	1.418	1.774	1.836	1.634	1.576	1.684	• 450	1.660	2.009	1.839	1.785	1.742	1.843
	•500	1.382	1.600	1.794	1.557	1.563	1.657	•500	1.541	1.919	1.822	1.706	1.709	1.810
13	•538	1.351	1.561	1.721	1.610	1.542	1.617	•538	1.540	1.875	1.799	1.762	1.684	1.759
	•710	1 • 404	1.781	1.569	1.459	1.402	1.529	•710	1.378	1.735	1.654	1.497	1.472	1.601
	•720	1.431	1.752	1.567	1.461	1.409	1.521	• 720	1.404	1.709	1.635	1.498	1.475	1.592
	•760	1.424	1.659	1.569	1.467	1.428	1.532	.760	1.365	1.647	1.622	1.510	1.501	1.603
**	•780	1.434	1.599	1.565	1.472	1.431	1.540	• 780	1.374	1.621	1.615	1.512	1.510	1.614
ace	.800 .850	1.391	1.557	1.554	1.474	1.438	1.537	.800 .850	1.339	1.614	1.604	1.521	1.516	1.610
Surface:	• 950	1.184	1.447	1.427	1.418	1.401	1.511	• 950	1.243	1.350	1.491	1.482	1.474	1.617
Su	1.000	1.156	1.036	1.317	1.358	1.356	1.474	1.000	1.192	1.052	1.346	1.419	1.425	1.528
Wing	.010	•100	.324	•347	•371	. 1.22	•621	.010	.073	. 220	.351	.360	.412	.610
8	.030	.206	•326	• 413	• 454	• 423	• 769	.030	.176	• 329	• 391	• 369	•412	.610 .734
	.050	•301	•421	•477	•581	.656	.866	• 050	•263	•391	• 448	• 488	•606	.837
- 8-	•075	• 390 • 460	• 495	•553 •601	•575 •641	•634	0957	• 075	• 352 • 422	• 458 • 514	•517 •564	•538	•592	1.000
	•150	• 570	.650	•700	.717	•776	1.082	• 150	.531	.611	.659	.681	•740	1.077
	•200	•631	.731	•743	.783	.852	1.128	• 200	• 596	.690	.709	.751	.819	1.138
	• 250	•697	• 789	*812	.840 .877	.896	1.161	• 250	•661	• 748 • 812	• 773 • 832	•811 •848	.870 .918	1.172
	•300 •350	•775 •860	•853 •913	•867 •896	.918	.977	1.205	• 350	•739 •817	. 875	. 866	.893	0959	1.215
Lower	•400	•920	•989	•983	• 946	1.006	1.220	• 400	.882	• 955	. 954	.932	.999	1.239
3	•450	• 984	• 966	•968	•988	1.034	1.229	• 450	• 950	• 936	• 949	.974	1.024	1.251
	•500 •520	• 995	1.024	1.021	1.009	1.053	1.254	•500	•965 •972	•990 1•022	.998 1.000	1.001	1.053	1.278
	•540	1.020	1.189	1.085	1.074	1.117	1.274	• 540	.991	1.161	1.064	1.068	1.113	1.297
	•710	1.135	1.250	1.159	1.191	1.177	1.262	•710	1.122	1.238	1.158	1.203	1.189	1.281
	•740	1.135	1.115	1.059	1.106	1.184	1.259	•740	1.123	1.103	1.053	1.118	1.198	1.235
	•780	1.156	1.119	1.105	1.116	1.146	1.277	.780	1.148	1.115	1.110	1.127	1.164	1.300
	.800	1.114	1.094	1.115	1.122	1.146	1.290	.800	1.113	1.091	1.121	1.138	1.165	1.317
	•850	1.102	1.126	1.138	1.137	1.158	1.288	• 850 • 900	1.108	1.129	1.153	1.161	1.336	1.322
	•900	1.109	1.129	1.212	1.218	1.242	1.356	• 950	1.130	1.156	1.251	1.258	1.226	1.348
	F.10			1 704										
	•560	1.346	1.423	1.706	1.615	1.550	1.604	• 560	1.510	1.803	1.799	1.773	1.713	1.760
ber	.600	1.347	1.388	1.708	1.620	1.546	1.583	.600	1.469	1.807	1.814	1.792	1.723	1.745
surface: Upper	•620 •640	1.360	1.363	1.695	1.616	1.550	1.568	• 620 • 640	1.460	1.791	1.816	1.805	1.738	1.729
ace	•660	1.411	1.321	1.010	1.618	1.545	1.542	• 660	1.458	1.746	1.825	1.829	1.753	1.699
urfa	.680	1.410	1.388	1.658	1.643	1.556	1.514	.680	1.428	1.694	1.849	1.872	1.809	1.693
	.690	1.427	1.451	1.679	1.593	1.554	1.523	• 690	1.429	1.696	1.875	1.815	1.799	1.701
Spoiler	•560		1.700	1.538			-	• 560		1.717	1.608			
iod.	•580		1.718	1.547	1.440	1.379	1.469	• 580		1.719	1.614	1.468	1 • 436	1.520
Sr	•600		1.726	1.552	1.448	1.384	1.487	•600 •620		1.728	1.625	1.478	1.447	1.546
0	.640		1.761	1.547	1.447	1.392	1.508	.640		1.731	1.629	1.480	1.449	1.581
-	•660		1.776	1.545	1.443	1.389	1.512	• 660		1.737	1.627	1 • 477	1.448	1.591
	•680 •690		1.771	1.551	1.435	1.380	1.505	• 680 • 690		1.729	1.633	1.471	1 0 4 4 7	1.580
	*070		10104	1.000	18440	1.000	1.500	.070		10133	1000	18400	10441	10010
	•560		1.695	1.535	1.429	1.368	1.452	•560		1.719	1.600	1.454	1.422	1.499
per	•580		1.712	1.541	1.435	1.369	1.455	• 580		1.724	1.611	1.455	1.430	1.505
·· dd	.620		1.740	1.551	1.450	1.390	1.479	•620		1.732	1.628	1.484	1.449	1.528
uce	•640		1.768	1.559	1.458	1.401	1.494	• 640		1.734	1.638	1 . 495	1.468	1.553
surface: Upp	•660		1.787	1.563	1.466	1.402	1.496	•660 •680		1.732	1.647	1.500	1.472	1.548
	•688		1.750		1.456	1.396	1.472	• 688		1.704	1.641	1.484	1.463	1.523
Deflector	-540	1.112	1.042	1.041	1.054	1.001	1.210	.540	1.005	1.016	1.044	1.010	1.000	1 256
lec		1.113	1.044	1.061	7001	1.081	1.218	•580	1.085	1.014	1.044	1.048	1.081	1.250
er	.600	1.050	1.079	1.059	1.073	1.128	1.249	• 600	1.027	1.053	1.046	1.075	1.133	
Def		1.061	1.092		1.081	1.103	1.251	•620	1.040		1.045	1.078	1.107	1.293
H	.660	1.110	1.092	1.093	1.073	1.124	1.334	•660	1.094		1.088	1.080	1.134	1.366
	•680	1.183	1.127		1.147	1.124	1.307 1.258	•680	1.171		1.100	1.155	1.135	1.331
						1.110				1.112				

TABLE 8 .- PRESSURE COEFFICIENTS - Continued

 $\alpha = 16^{\circ}$ 

 $\begin{bmatrix} \delta_{S} = -0.080 \text{ c}; \ \delta_{d} = -0.00000 \text{ c} \end{bmatrix}$   $\alpha = 18$ 

ГТ		-	Pressure	coefficien	it C <sub>p</sub> a	$t \frac{y}{b/2} = -$	_		F		coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	•000	1.056	1.313	1.088	1.830	1.275	1.747	.000	1.025	1.298	1.103	1.856	1.348	1.773
	•010	2.105	2.072	1.945	1.772	1.713	1.781	.010	1.926	1.930	1.871	1.764	1.708	1.772
	•030	2.082	2.044	1.922	1.786	1.708	1.780	•030	1.894	1.907	1.849	1.755	1.701	1.773
	•050 •075	2.085	2.040	1.917	1.798	1.713 1.712	1.791	•050	1.889	1.899	1.843	1.759	1.701	1.775
	•100	2.090	2.046	1.909	1.796	1.712	1.802	.100	1.894	1.901	1.842	1.763	1.707	1.788
	.150	2.082	2.042	1.906	1.809	1.724	1.816	• 150	1.892	1.900	1.845	1.768	1.710	1.803
	•200	2 • 070	2.038	1.902	1.812	1.736	1.835	•200 •250	1.884	1.894	1.842	1.770	1.720	1.815
	• 250 • 300	2.059	2.036	1.893	1.831	1.761	1.873	.300	1.881	1.894	1.846	1.779	1.733	1.842
E4	•350	1.987	2.025	1.891	1.835	1.772	1.890	. 350	1.881	1.894	1.842	1.777	1.738	1.854
Upper	•400	1.944	2.008	1.886	1.827	1.767	1.884	• 400	1.880	1.890	1.842	1.777	1.734	1.847
9	•450 •500	1.886	1.977	1.880	1.816	1.750	1.867	• 450	1.870	1.883	1.844	1.793	1.737	1.831
	•520	1.818	1.938	1.871	1.822	1.739	1.805	•520	1.861	1.875	1.868	1.852	1.766	1.787
	•538	1.818	1.909	1.872	1.828	1.724	1.781	●538	1.869	1.877	1.869	1.847	1.758	1.777
	•710	1.604	1.756	1.669	1.518	1.495	1.626	•710	1.754	1.797	1.627	1.514	1.524	1.658
	•720	1.599	1.746	1.660	1.512	1.494	1.619	•720	1.743	1.789	1.627	1.517	1.523	1.655
1	•740 •760	1.600	1.734	1.658	1.527	1.506	1.624	. 740 . 760	1.758	1.792	1.634	1.525	1.553	1.664
1	•780	1.571	1.720	1.659	1.547	1.529	1.639	.780	1.756	1.795	1.638	1.552	1.560	1.681
Surface	.800	1.535	1.715	1.657	1.557	1.540	1.636	.800	1.742	1.790	1.641	1.568	1.568	1.683
rfa	•850	1 • 481	1.650	1.639	1.234	1.551	1.645	• 850 • 950	1.711	1.759	1.635	1.535	1.589	1.700
Sur	•950 1•000	1.335	1.490	1.557	1.455	1.515	1.561	1.000	1.422	1.606	1.392	1.450	1.556	10000
Wing								1						
W	.010 .030	• 056 • 154	•336	•360 •382	•375 •391	• 405	•613	•010	•040 •125	•338	• 360 • 363	• 377 • 380	•414	.707
	•050	• 242	•378	•429	•310	•541 •558	.826	• 050	•210 •294	.360	. 403 . 462	• 307 • 478	•547 •533	.903
	•075 •100	• 324 • 397	• 440 • 492	•492 •542	•502 •566	0 2 2 8	• 925 • 986	.100	.361	· 417	.506	•537	0223	972
	.150	.504	.588	.634	.649	.707	1.075	. 150	•467	.557	.597	.620	0682	1.060
	.200	•568	.665	•685	.715	•786	1.137	• 200	.532	.634	.651	.685	0764	1.128
1	•250	•637	•722	•751	•783	.842	1.175	• 250	.600	• 694	• 717	• 756	•817	1.100
	•300 •350	•715	•790 •851	.814 .851	.821 .876	•892 •941	1.203	.300 .350	•681 •769	• 758 • 823	.776 .816	• 793 • 845	.924	1.198
7er	• 400	.861	.936	•943	911	• 974	1.247	. 400	.829	.909	.903	.890	0966	1.248
Lower	•450	.933	.919	•937	• 942	1.011	1.263	. 450	.901	.903	.908	.937	1.003	1.276
1 -1	•500	• 949	.979	•994	• 987	1.036	1.289	.500	•925	.960	. 964	•970	1.031	1.303
	•520 •540	• 953	1.006	•995 1•061	1.006	1.044	1.300	•520 •540	•930 •953	•998 1•148	.969 1.035	1.049	1.037	1.307
	•710	•978 1•123	1.251	1.167	1.196	1.192	1.303	.710	1.119	1.270	1.159	1.197	1.199	1.328
	•740	1.128	1.116	1.068	1.121	1.201	1.241	.740	1.129	1.134	1.061	1.124	1.218	1.255
	•760	1.124	1.128	1.147	1.134	1.171	1.317	.760	1.130	1.152	1.141	1.137	1.184	1.351
	.780 .800	1 • 157 1 • 125	1.132	1.130	1.139	1.166	1.324	.780 .800	1.167	1.157	1.125	1.143	1.184	1.354
	.850	1.127	1.110	1.143	1.175	1.199	1.344	.850	1.150	1.205	1.177	1.183	1.219	1.380
	.900	1.155	1.188	1.230	1.221	1.240	1.374	. 900	1.201	1 . 249	1.239	1.232	1.271	1.411
	•950	1.179	1.221	1.297	1.251	1.310	1.424	• 950	1.251	1.296	1.302	1.294	1.339	1.469
1 1	•560	1.786	1.883	1.877	1.855	1 750	1 700	•560 •580	1.857	1.877	1.873	1.875	1.801	1.790
Upper	•580 •600	1.764	1.900 1.896	1.887	1.879	1 • 759 1 • 772	1.790	.600	1.845	1.882	1.896	1.886	1.823	1.795
dd	.620	1.721	1.895	1.914	1.896	1.805	1.769	0620	1.822	1.888	1,908	1.893	1.845	1.795
d.e.	.640	1.694	1.889	1.929	1.912	1.827	1.744	a 640	1.808	1.891	1.911	1.889	1.861	1.799
fac	•660	1.688	1.893		1.931	1.857	1.753	• 660	1.803	1.899	1 000	1.885	1.873	1.835
surface:	•680 •690	1.661	1.895	1.948	1.506	1.873	1.796	.680 .690	1.789	1.904	1.909	1.868	1.864	1.940
		1.007			1.500	,,,,,,	1.015		20170					
Spoiler	•560 •580		1.734	1.632	1.486	1.458	1.551	• 560 • 580		1.767	1.595	1.480	1.496	1.598
Sp	•600		1.745	1.642	1.498	1.469	1.575	a 600		1.776	1.601	1.492	1.501	1.625
S	•620		1.746	1.652	1.508	1.476	1.599	0620		1.785	1.612	1.502	1.512	1.648
13	•640		1.745	1.647	1.503	1.472	1.614	• 640		1.781	1.608	1.502	1.504	1.660
	•660 •680		1.749	1.649	1.495	1.468	1.622	.660 .680		1.796	1.608	1.472	1.488	1.650
	•690		1.764	1.651	1.484	1.465	1.606	•690		1.801	1.605	1.481	1.497	1.642
	•560		1.737	1.621	1.467	1.442	1.527	•560		1.762	1.582	1 . 465	1.481	1.572
H	•580		1.741	1.628	1.474	1.452	1.530	.580 .600		1.772	1,588	1.472	1.480	1.578
be	•600 •620		1.743	1.649	1.489	1.471	1.565	e620		1.784	1,615	1.503	1.505	1.615
Up	•640		1.752	1.658	1.526	1.483	1.585	0640		1.792	1.626	1.528	1.522	1.634
fac	.660		1.751	1.670	1.526	1.493	1.582	0660		1.796	1.638	1.527	1.518	1.626
surface: Upp	•680 •688		1.747	1.682	1.512	1.487	1.553	.680 .688		1.798 1.800	1.645	1.513	1.521	1.599
Deflector		1.072	1.005	1.041	1.037	1.076	1.270	+560	1.052	• 998	1.015	1.022	1.073	1.291
lec	•580	1.019	1.012	1.010	1.069	1.141	1.281			1.009	.990	1.054	1.071	1.299
Defl	•600	1.019	1.049	1.050	1.068	1.128	1.297		1.002	1.050	1.031	1.061	1.128	1.318
OW O	•620	1.0033	1.066	1.049	1.075	1.105	1.290	.620 .640	1.019	1.067	1.031	1.069	1.102	1.317
H	a660	1.043	1.076	1.094	1.081	1.128	1.384	.660	1.083	1.081	1.079	1.077	1.132	1.411
	•680	1.168	1.117	1.108	1.155	1.136	1.351	•680	1.163	1.123	1.095	1.153	1.139	1.379
		1.104	1.116	1.093	1.140	1.125	1.289	• 688	1.118	1.126	1.079	1.141	1.132	1.312

TABLE 8 - PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{\rm g}=^{-0.080}\,{\rm c};\,\delta_{\rm d}=^{-0.00000}\,{\rm c}\right]$   $\alpha=20^{\circ}$ 

Pressure coefficient  $C_p$  at  $\frac{y}{b/2} = -$ Pressure coefficient Cp at  $\frac{y}{b/2} =$ x/c x/c 0.97 0.97 1.837 1.729 1.725 1.769 1.758 1.753 .000 .000 .010 .030 .050 1.397 1.777 1.439 1.751 1.830 1.693 .030 1.798 1.821 1.813 1 . 664 1.762 1.761 1.773 1.681 1 . 654 1.733 .050 1.795 1.818 1.722 1.663 1.765 1.738 .075 1.794 .075 1.777 1.755 1.752 1.755 1.820 1.811 1.724 1.665 1.764 1.759 1.686 1.656 1.741 1.823 1.723 1.665 1.773 1.764 1.783 1.746 .100 1.802 .100 1.686 1.655 1.803 1.811 .150 . 150 1.685 1.662 1.782 1.754 1.689 1.802 1.825 1.811 1.730 1.677 1.798 .200 1.769 1 . 666 1.764 .250 1.826 1.682 1.807 .250 1.690 1.664 1.815 •300 •350 1.809 1.826 1.814 1.732 1.683 1.816 · 300 1.779 1.792 1.760 1.772 1.789 1.694 1.666 1.774 1 . 826 1.818 .400 .450 .500 .400 1.813 1.827 1.755 1.698 1.814 1.788 1.767 •450 •500 •520 1.800 1.740 1.810 1.822 1.842 1.802 1.726 1.800 1.790 1.815 1.794 1.764 1.812 1.825 1.863 1.832 1.791 1.795 1.803 1.834 1.768 1.809 1.792 1.804 1.826 1.875 1.852 1.829 1.778 1.827 1.756 .538 1.810 1.827 1.871 1.838 1.759 1.783 .538 1.792 1 . 805 1.802 1.782 1.754 1.781 1.534 .710 1.764 .720 1.769 .720 1.754 1.783 1.634 1.525 1.540 1.676 1 . 615 1.532 1.553 1.686 •740 1.756 1.783 1.642 1.540 1.551 1.691 •740 1.750 1.773 1.623 1.541 1.568 1 . 699 1.753 1.650 1.563 1.701 1.633 1.557 1.578 1.709 1.761 1.789 1.789 1.776 1.564 1.709 1.782 1.640 1.570 1.716 .780 1.654 1.573 . 780 1.763 1.588 1.772 1.582 1.657 .800 1.599 1.618 .850 1.757 1.661 1 . 443 1 . 605 . 850 1.789 1.652 1 . 475 1.733 .950 1.604 1.688 . 950 1.612 1 . 699 1.000 1.137 1.428 1.000 1.538 1.487 1.493 1.642 1.166 1 . 441 1.511 1.529 ing .384 .010 .343 .372 .420 .010 .023 .352 .385 .394 . 425 .626 •305 •458 •306 .050 .331 .381 .398 •793 .050 .167 .360 .393 .075 .075 .265 .382 .433 .513 .887 .246 .406 .434 .490 .862 .100 .327 .428 •475 •565 •514 .958 .100 .310 .395 . 445 .486 .929 .653 .150 . 436 .520 1.047 . 150 .413 . 480 .530 .564 .633 1.016 •738 •793 • 200 • 250 •474 .636 .701 •717 .200 .497 .597 .623 .664 1.115 . 553 4589 .567 .655 .689 1.156 •627 .300 .648 .720 .748 .774 .850 1.188 .300 .681 .715 .746 .835 1.166 .350 .782 794 .829 .900 . 350 • 744 .761 .805 .888 Lower .400 .797 .867 .881 .874 .941 1.245 . 400 .768 .828 . 852 .849 .931 1.228 ·872 .922 •901 •944 .450 .872 .890 . 984 . 450 .848 . 841 .863 1.266 .909 .500 . 896 .951 1.015 .500 .880 . 928 1.006 1.306 1.292 •971 1•118 .978 1.036 • 520 0964 .520 .906 .957 1.025 1.315 .888 . 943 .937 1.017 1.306 1.029 1.087 .916 1.091 1.004 1.327 1.077 1.320 1.161 1.063 1.148 1.193 1.200 .710 1.107 1.265 1.173 1.194 1.196 1.344 .710 1.107 1.258 1.349 •740 1.072 1.112 1.134 1.128 1.218 1.129 1.136 .760 1 . 121 1.156 1.183 1.366 1.126 1.152 1.133 1.188 1.367 1.145 1.160 .780 1.158 1.164 1.142 1.186 1.372 . 780 1.168 1.135 1.142 1.189 1.375 .800 1.134 1.161 1.195 . 800 1.147 1.156 1.155 1.146 1.394 1.200 1.395 1.406 .850 1.155 1.225 1.206 1.190 1.229 1.402 . 850 1.238 1.205 1.191 1.232 1.251 1.283 .950 1.300 1.345 1.341 1.347 1.495 . 950 1.350 1.384 1.352 1.321 1.371 1.500 •560 1.827 1.875 .560 1.826 1.859 1.796 1.807 1.814 1.792 1.812 •600 •620 1.796 1.835 1.892 1.867 1.821 .600 1.787 1.810 1.841 1.814 1.808 1.833 1.818 1.835 1.829 .620 1.783 1.836 1.803 1.810 1.848 1.773 1.794 1.804 .640 1.781 1.838 1.886 1.840 1.836 1.849 . 640 1.813 1.831 1.873 .660 1.836 .660 1.816 1.839 1.823 1.905 1.924 1.875 1.818 1.773 1.778 1.781 .680 1.842 1.823 1.806 2.031 . 680 1.765 1.813 2.030 .690 1.845 1.743 1.796 .690 1.817 1.817 1.593 .560 1.733 1.574 1.498 1.628 1.500 1.524 1.637 1.757 1.506 1.519 1.744 1.586 1.510 1.534 .600 1.604 1.654 .600 1.664 .620 1.761 1.671 1.683 1.545 1.761 .640 1.612 1.515 1.520 1.688 . 640 1 . 744 1.592 1.521 1.537 1.698 .660 1.770 1.609 1.507 1.516 .660 1.754 1.590 1.705 1.697 1.535 .680 1.490 1.677 .680 1.759 1.583 1.499 1.525 1.688 .690 1.784 1.605 1 496 1.512 1.669 . 690 1.766 1.593 1.504 1.534 1.680 1.743 1.754 1.761 1.585 1.591 1.602 1.484 1.486 1.498 1.497 1.502 1.509 •560 •580 •600 1.482 1.491 1.505 .560 1.732 1.737 1.742 1.625 1.634 1.583 1.620 1.526 1.766 1.747 1.520 .620 1.618 1.520 1.522 1.640 . 620 1.596 1.653 1.772 1.546 1.665 .640 1.610 1.553 1.673 1.538 1.755 .660 1.777 1.642 1.537 1.657 . 660 1.620 1.539 1.555 1.668 -680 1.528 1.532 1.626 1.519 .688 1.631 1.530 1.630 1.755 .688 1.610 1.527 1.545 1.644 Deflector : Lower 1.014 .985 1.029 1.033 •976 1.028 1.061 1.300 •560 1.011 . 947 997 1.052 .964 .972 .992 . 966 1.131 1.309 1.305 .980 1.032 1.119 1.012 1.008 .600 1.053 1.330 .600 1.038 1.113 1.326 1.063 1.331 . 620 1.045 1.094 1.326 .640 1.015 1.076 1.036 1.070 1.130 1.350 .640 1.007 1.060 1.022 1.056 1.125 1.345 1.062 1.067 1.429 1 . 054 1.070 .660 1.058 1 . 428 1.123 1.150 .680 1.103 1.137 1.394 1.140 1.103 1.090 1.143 1.133 1.394 . 688 .688 1.128 1.120 1.088 1.141 1.124 1.327 1.175 1.073 1.128 1.108

TABLE  $^{8}$  .- PRESSURE COEFFICIENTS - Concluded  $\left[\delta_{S}=^{-0.080}c;\;\delta_{d}=^{-0.00000}c\right]$ 

23.0

				, = 230							α = *		77	
	25/0	Pressure coefficient $C_p$ at $\frac{v}{b/2} = -$							Pressure coefficient $C_p$ at $\frac{V}{b/2} = -$					
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Surface: Upper	.000 .010 .030 .075 .100 .250 .300 .350 .400 .450 .520 .538 .710 .740 .740 .780 .880 .850 .850	1.083 1.737 1.737 1.739 1.739 1.730 1.749 1.749 1.753 1.764 1.764 1.777 1.778 1.778 1.778 1.778 1.773 1.7728 1.731 1.732 1.731 1.732 1.733 1.742 1.753	1.409 1.755 1.751 1.751 1.756 1.760 1.765 1.769 1.775 1.778 1.778 1.789 1.789 1.753 1.753 1.753 1.753 1.753 1.753 1.775 1.776 1.771 1.776 1.771 1.776 1.771	1.240 1.763 1.753 1.753 1.753 1.754 1.753 1.755 1.761 1.768 1.778 1.802 1.827 1.827 1.824 1.824 1.628 1.628 1.640 1.640 1.652 1.652 1.652 1.655 1.650 1.640	2.216 .382 .538 .598 .650 .690 .734 .746 .741 .731 .409 .454 .454 .1.346	1.477 1.651 1.646 1.648 1.655 1.655 1.655 1.658 1.660 1.662 1.772 1.772 1.772 1.772 1.775 1.566 1.566 1.595 1.566 1.595 1.566 1.595 1.566 1.595 1.566	1.777 1.761 1.760 1.762 1.767 1.772 1.781 1.785 1.792 1.788 1.792 1.788 1.791 1.805 1.815 1.829 1.736 1.815 1.745 1.745 1.745 1.753	.000 .010 .030 .050 .075 .100 .250 .250 .350 .450 .550 .538 .710 .770 .7760 .7760 .850 .850 .850						
Lower	010 030 050 075 100 250 330 440 450 520 540 710 740 780 880 880 990	.018 .074 .152 .233 .290 .391 .452 .531 .601 .694 .741 .823 .856 .889 1.087 1.087 1.112 1.153 1.131 1.154 1.248 1.248	.364 .278 .338 .337 .357 .458 .534 .591 .658 .772 .887 .923 .068 1.245 1.117 1.142 1.152 1.152 1.141 1.235	.394 .339 .353 .395 .443 .516 .573 .842 .702 .773 .885 .929 .0000 1.158 1.065 1.147 1.136 1.157	2.220 2.144 2.092 1.966 1.784 1.532 1.441 1.406 1.377 1.274 1.337 1.274 1.327 1.275 1.276 1.276 1.277 1.221	• 432 • 393 • 882 • 617 • 698 • 758 • 813 • 867 • 917 • 958 • 994 1 005 1 0067 1 195 1 195 1 195 1 193 1 193 1 232 1 290 1 375	.646 .684 .772 .663 .930 1.028 1.103 1.176 1.245 1.245 1.281 1.317 1.327 1.327 1.327 1.342 1.411 1.429 1.439 1.449 1.449 1.449 1.449	.010 .030 .050 .075 .100 .200 .250 .350 .400 .450 .520 .540 .740 .740 .780 .800 .850 .900						
surface: Upper	•560 •580 •600 •620 •640 •660 •680	1.781 1.778 1.770 1.764 1.756 1.756 1.745	1.789 1.793 1.794 1.798 1.798 1.797 1.796 1.800	1.831 1.842 1.845 1.838 1.831 1.819	• 440 • 488 • 559 • 641 • 746 • 910 • 826	1.782 1.793 1.797 1.791 1.774 1.766 1.756	1.868 1.885 1.900 1.926 1.970 2.059 2.066	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690						
Spoiler	.560 .580 .600 .620 .640 .660 .680		1.720 1.728 1.731 1.735 1.733 1.740 1.744 1.750	1.587 1.594 1.601 1.611 1.608 1.607 1.599 1.608	1.326 1.338 1.353 1.341 1.328 1.316	1.540 1.546 1.554 1.547 1.548 1.539 1.543	1.683 1.707 1.726 1.741 1.752 1.731 1.726	.560 .580 .600 .620 .640 .660 .680						
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •688		1.726 1.728 1.736 1.734 1.740 1.745 1.739 1.741	1.581 1.587 1.597 1.608 1.622 1.630 1.633 1.622	1.289 1.301 1.326 1.356 1.399 1.393 1.359 1.347	1.525 1.531 1.538 1.550 1.561 1.568 1.561 1.554	1.663 1.669 1.680 1.698 1.717 1.709 1.686 1.689	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 688						
Deflector	•560 •580 •600 •620 •640 •660 •680 •688	.988 .942 .946 .971 .988 1.035 1.117	.936 .949 .994 1.018 1.045 1.038 1.089	.984 .960 1.003 1.012 1.020 1.069 1.086 1.074	1.334 1.340 1.330 1.312 1.303 1.286 1.338 1.316	1.043 1.114 1.103 1.080 1.114 1.115 1.126	1.316 1.331 1.348 1.354 1.373 1.453 1.424 1.353	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 688						

.680

1 . 448

1.167

1 . 405

1.374

1.363

1.342

1.383

1.358

1.313

1.302

.680

. 688

1.148

1.396

1.370

1.345

1.364

1.354

1.301

1.291

1.660

1.565

TABLE 9 .- PRESSURE COEFFICIENTS

δ<sub>S</sub> = -0.100c; δ<sub>d</sub>= -0.0000c Pressure coefficient at Pressure coefficient  $C_p$  at  $\frac{y}{b/2} = \frac{y}{b/2} =$ x/c x/c 0.70 0.70 0.97 0.97 1.255 .770 .888 .000 1 4 6 3 5 2.815 2.279 .000 1.244 .903 .962 .990 .467 .652 .710 ·633 .438 .596 .396 .408 .563 .010 .030 •574 .010 .518 .423 .706 .030 .670 .717 . 050 .701 .768 .615 .628 . 914 .794 .941 . 826 .758 .747 1.005 .674 . 684 .075 .852 .808 .785 •724 •777 •793 ·100 . 882 . 843 .751 .711 .100 986 951 . 846 .785 .755 .150 956 858 .818 .826 1.098 1.001 .850 .816 .831 1.111 .200 . 932 .871 6787 •250 •300 •350 • 958 • 943 • 944 •773 •760 •719 .763 .752 .723 •798 •776 •744 •674 . 862 .797 . 250 1.016 . 922 .828 .826 1.111 •844 •807 - 300 .994 895 -803 .819 1.108 . 350 . 848 . 752 1.101 . 687 1.054 •733 •662 •573 .974 . 765 .400 .935 .664 .731 . 400 • 450 .948 · 640 • 459 - 587 .602 .663 .557 1.026 .450 .916 .500 4908 4438 .474 4477 .559 .472 .535 •520 •538 .916 .457 . 425 .468 .471 .533 .945 · 444 1 · 732 . 458 954 .538 .929 .433 .456 1.430 1.816 1.392 1.404 1.387 1.405 •710 1.420 1 . 649 1.395 1.404 1.584 .710 1.462 1.720 1.650 1.393 1.403 1.582 .720 1.804 1.652 1.384 •740 1.651 1.407 1.408 1.592 1.505 1.806 1.672 1.405 .740 1.495 1.716 1.716 1.512 1.679 .760 1.502 1 4654 1.415 1.408 1.589 1.801 1.553 1.523 1.499 1.655 1.411 1.584 .780 1.795 1.680 1.432 1.413 . 780 1.538 1.423 1.409 1.796 1.448 1.415 ·800 •850 1.516 1.727 1.651 1.435 1.583 1.594 1.656 .850 1.676 1.295 950 1.500 . 950 1.356 1.677 1.584 1.480 1.385 1.240 . 928 1.317 1.289 1.277 1.000 .439 1.000 1.176 .323 ing 1.432 1.330 1.278 1.769 1.568 1.479 2.079 2.079 .010 1.788 1.604 1.945 2.219 1.118 1.279 1.870 .050 1.490 1.785 2.167 .050 1.623 1.471 1.669 1.090 1.258 1.516 1.550 1.422 1.660 1.257 1 496 .100 1.232 1.396 1.557 1.853 .100 1.106 1.416 • 150 • 200 1.178 1.402 1.505 1.582 1 . 626 1.308 1.399 1.431 1.482 1.425 1.520 .200 1.230 1 . 486 1.423 1.455 1.407 1.380 1.351 .250 1.237 1.404 1 . 446 .250 1.155 1.327 1.353 1.376 1.443 1.419 1.352 1.374 1.347 1.332 .300 1.323 1 . 431 1.322 .350 1.358 1.431 1.401 1.398 . 350 1.305 1.373 • 400 • 450 1.337 1.418 1.449 .400 1.378 1.357 1.404 1.332 1.309 1.349 1.375 1.334 1.306 .450 1 . 425 1.397 1.334 1.333 1.324 .500 1.359 1.381 1.373 1.324 1.298 1.483 .500 .520 1 . 396 1 . 435 1.382 1.356 1.324 .520 1.401 1.292 1.491 1.364 1.386 1.363 1.417 1.406 1.287 ·540 ·710 1.408 •540 1.567 1.337 1.583 1.439 1.390 1.372 1.515 1.346 1.407 1.405 1.380 1.521 .740 1.380 1.348 1.267 1.317 1.342 .740 1.348 1.303 1.344 1.688 1.308 •760 1.350 1.348 1.343 1.297 1.594 1.317 1.607 .780 1.365 1.333 1.310 1.311 1.311 1.335 1.294 1.298 1.335 1.295 1.270 -800 1.295 1.314 1.306 1.306 . 800 1.328 1.303 1.319 1.291 1.293 1 4620 1.294 1.321 1.609 .850 1.304 1.310 1.302 . 850 1.299 1.310 .900 1.286 1.326 1.318 . 900 1.343 1.314 .950 1.271 1.306 . 950 1.246 1.325 1.328 1.320 1.542 .986 1.020 1.094 •451 •426 •486 • 354 • 304 • 418 •362 •303 .560 1.029 .442 •560 •580 .523 . 454 .460 4514 4900 1.097 . 484 .503 .580 .926 .500 .582 .600 .600 .409 •662 •774 •889 1.175 1.175 .593 .588 .570 .657 .620 . 554 .566 .962 .640 . 672 . 666 1.011 .640 .656 .713 .662 .773 1.360 .883 1.039 .660 .825 +660 1.354 . 839 .773 1.078 1.101 1.109 1.049 .680 .690 1 . 426 1.282 1.314 .895 1.223 .690 1.421 1.279 1.313 1.015 1.239 1.317 1.760 .560 1.587 1.365 1.377 1.389 1.608 .600 1.802 1.636 1.380 1.396 .600 1.764 1.388 1.393 1.564 1.763 1.804 1.648 1.389 1.397 .620 1.616 1.396 1.398 1.577 1.797 1.573 1.379 1.394 1.619 1.386 1.393 .640 1.649 1.367 1.399 1.398 .660 1.806 1.647 4660 1.768 1 . 635 1 4 3 7 8 1.582 1.771 .680 .690 1.740 1.649 1.348 1.381 . 690 1.769 1.637 1.365 1.393 1.564 1.796 .560 1.757 •560 •580 1.595 1.581 1.350 1.364 .600 1.798 1.625 1.367 1.386 .600 1.764 1.599 1.372 1.390 1.535 1 . 623 .620 1.802 1.628 1.398 1.390 .620 1.767 1.806 1.656 1.439 1.399 . 640 1.628 1.432 1.399 1.555 1.806 .660 1.632 1.425 1.399 1.551 .660 1.655 1.433 1.399 .680 1.810 1.673 1.400 1.396 . 680 1.761 1.650 1 4 3 9 7 1.396 1.520 . 688 1.534 1.786 .688 1.294 1.477 1.446 1.380 1.505 •560 •580 1.382 1.345 1.352 .580 1.355 1.497 •600 •620 1.397 1.404 1.371 1.317 1.364 1.338 .600 1.361 1.383 1.355 1.335 1.317 1.360 1.385 1.337 1.328 1.530 1.388 1.356 1.304 .640 1.406 1.337 1.343 1.322 .640 1.392 1.328 1.318 1.547 .660 1.407 1.378 1.366 1.323 1.314 . 660 1.379 1.364 1.364 1.308 1.302 1.639 1.433 1.364

TABLE 9 .- PRESSURE COEFFICIENTS - Continued

 $\begin{bmatrix} \delta_{s} = -0 \cdot 100 \text{ c}; \ \delta_{d} = -0 \cdot 00000 \text{ c} \end{bmatrix}$   $\alpha = 0^{\circ}$   $\alpha = 2^{\circ}$ 

$\top$		P	ressure c		C <sub>p</sub> at	<u>y</u> = -			P	ressure co	efficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
-				1				000	1 (20	. 226	•184	• 446	•618	•376
	.000	• 300	•526	.671 .918	1.363 .585	1 • 260 • 572	• 325 • 835	.000	1.620	.324 1.696	1.418	1.097	1.032	1.058
		1.229 1.147	1.161	•958	.748	.775	1.019	.030	1.322	1.396	1.222	1.066	1.018	1.142
		1.151	1.090	.963	.796	.821	1.067	.050	1.224	1 • 285	1.155	1.019	1.016	1.140
	.075	1.084	1.071	•958	.828	•853	1.089	.075 .100	1.209	1.228	1.05	1.007	•995	1.145
		1.090	1.078	•959	.845	.872 .896	1.110	. 150	1.154	1.142	1.033	.982	•991	1.135
-	.150	1.090	1.042	•942 •913	.863 .855	.880	1.105	.200	1.146	1.094	.980	.949	•955	1:117
	•200 •250	1.071	•978	.875	.828	.860	1.091	. 250	1.105	1.046	• 927	.897	•915	1.090
	.300	1.042	.950	.844	.800	.841	1.069	.300	1.083	1.001	. 882	.860	•875 •836	1.072
	.350	1.030	.891	•784	•757	.809	1.046	• 350	1.054	• 930 • 817	.804 .709	•796 •712	•756	•983
Upper	.400	1:009	•793	•702	•686	•742	1.002	• 400 • 450	•984	•658	.612	.621	.656	.923
Jdi	.450	• 979	•642 •487	•596 •507	•606 •490	.661 .545	• 963 • 868	.500	.963	.565	.585	•554	.562	.841
-	•500 •520	•960 •939	.487	• 492	•480	.520	.867	.520	.985	• 578	•583	•556	•552	•852
-	.538	.961	.546	•491	•478	.527	.879	• 538	1.035	• 633	• 587	•558 1•410	1.397	*877 1*566
	.710	1.415	1.708	1.613	1.397	1.394	1.559	•710 •720	1.458	1.681	1.572	1.407	1.397	1.568
	.720	1.451	1.694	1.613	1.397	1.393	1.562	.740	1.501	1.682	1.580	1.414	1.399	1.572
		1 • 486	1.698	1.614	1 • 4 0 7	1.395	1.562	.760	1.539	1.694	1.580	1.419	1.402	1.575
	.760	1.492	1.707	1.615	1.416	1.394	1.573	.780	1.531	1.713	1.580	1.422	1.402	1.581
		1.530	1.721	1.618	1.421	1.402	1.574	.800	1.561	1.731	1.581	1.423	1.404	1.587
		1.533	1.767	1.621	1.407	1.402	1.583	.850	1.449	1.754	1.582	1 • 423	1.406	1.598
		1.397	1.692	1.590	1.436	1.383	1.582	• 950	1.318	1.681	1.560	1.440	1.405	1.548
		1.275	•548	1.111	1.397	1.353	1.501	1.000	.680	• 668	1.239	1.420	10001	10040
							1 755	010	.767	.738	.858	1.090	1.171	1.497
	.010	• 917	1.059	1.270	1.725	1.708	1.755	•010	.821	· 841	• 955	1.108		1.446
	.030	• 933 • 952	1.085	1.234	1.451	1.491	1.455	• 050	.860	.891	. 998	1.109	1.276	1.361
	.075	• 952	1.111	1.274	1.372	1.284	1.410	.075	.899	. 955	1.087	1.111	1.084	1.341
	.100	• 993	1.129	1.212	1.385		1.381	.100	.991	• 996	1.056	1.159	1.112	1.290
	.150	1.081	1.205	1.274	1.317	1.243	1.330	. 150	.988	1.095	1.143	1.148	1.112	1.301
1	.200	1.056	1.248	1.227	1.317	1.266	1.337	• 200 • 250	1.131	1.168	1.168	1.212	1.175	1.293
	.250	1.085	1.253	1.259	1.327	1.253	1.316	• 300	1.200	1.205	1.210	1.204	1.186	1.296
	.300	1.186	1.286	1.298	1.302	1.254	1.314	• 350	1.238	1.241	1.203	1.217	1.201	1.287
II.	•350 •400	1.243	1.316	1.345	1.298	1.255	1.326	. 400	1.286	1.298	1.278	1.222	1.209	1.302
Lower	a 450	1.325	1.311	1.294	1.309	1.259	1.338	a 450	1.278	1.249	1.234	1.252	1.219	1.312
ĭ	•500	1.311	1.346	1.324	1.301	1.254	1.339	•500	1.269	1 • 292	1.270	1.246	1.218	1.324
	.520	1.302	1.363	1.313	1.305	1.249	1.352	• 520	1.287	1.317	1.264	1.309	1.277	1.351
- 1	.540	1.319	1.538	1.375	1.354	1.305	1.378	•540		1.495	1.360	1.347	1.305	1.481
	•710	1.367	1.522	1.385	1.369	1.320	1.725	• 740		1.316	1.238	1.266	1.306	1.675
1	•740	1.340	1.339	1.262	1.294	1.270	1.500	.760		1.321	1.304	1.265	1.250	1.469
	•760 •780	1.340	1.335	1.299	1.283	1.275	1.526	• 780		1.315	1.277	1.259	1.254	1.489
	.800	1.311	1.298	1.301	1.281	1.268	1.537	.800		1 . 284	1.282	1.258	1.249	1.503
	.850	1.286	1.330	1.313	1.284	1.272	1.544	. 850		1.318	1.294	1.284	1.257	1.518
	.900	1.274	1.331	1.339	1.301	1.291	1.557	• 900 • 950		1.367	1.371	1.325	1.322	1.565
- 1	•950	1.258	1.359	1.381	1.325	1.321	1.575	.,,,,	. 105	10001				
	•560	1.012	.468	•479				• 560	1.068	• 571 • 473	• 583	.514	.519	.839
5.	•580	1.044	• 368	• 425	• 459	• 494	.835 .867	.580 .600			.549	.509	.547	.840
96	.600	1.107	•403	• 470	•500 •569	• 557 • 643	.915	• 620			.595	.560	•622	.884
Upper	•620	1.234	•534 •666	•580 •709	•670	• 759	•987	.640	1.362	.644	.692	•650	•740	0974
ce	.640 .660	1.234	.838	0107	.776	.879	1.066	.660	1.388			•773	.867	1.061
Ta	•680	1.377	1.101	1.097	. 954	1.046	1.185	• 680			1.070	1.089	1.049	1.326
surface:	.690	1.408	1.280	1.298	1.045	1.235	1.322	• 690	1.123	1.267	1.263	14009	18240	10020
			1.740	1.557				.560		1.723	1.529			1.54
)į	•560 •580		1.748	1.557	1.383	1.383	1.553	• 580		1.723		1.397	1.394	1.56
Spoiler	•600		1.752	1.574	1.393	1.388	1.562	• 600		1.722	1.545	1.401	1.394	1.56
Sr Lower	•620		1.749	1.585	1.400	1.390	1.565	• 620		1.718	1.551	1.409	1.394	1.56
0,	•640		1.746	1.585	1.389	1.383	1.559	. 640		1.714	1.551	1.401		1.56
H	•660		1.755	1.594	1.380	1.390	1.559	• 660	)	1.726	1.559	1.396		1.56
	•680		1.762	1.590	1.372	1.386	1.555	.690		1.742	1.561	1.384	1.395	1.55
	•690		1.769	1.602	1.009	10004	10002							
	•560		1.747	1.547	1.356	1.358	1.533	• 560		1.720	1.516	1.372	1.367	1.54
20)	•580		1.750	1.556	1.370	1.375	1.542	• 580		1.722	1.537	1.400		1.56
er	•600		1.751	1.570	1 • 377	1.384	1.549	662		1.731	1.555	1.413	1.394	1.56
bp c	•620		1.756	1.584	1.401		1.561			1.731	1.561	1.425	1.393	1.57
C	.640 .660		1.757 1.751	1.592	1.420	1.391	1.557	.66	0	1.714	1.564	1 . 421	1.393	1.57
surface: Upi	.680		1.734	1.611	1.399	1.384	1.545	• 68		1.680		1:408		1.55
S	•688		1.715	1.602	1.391	1.383	1.549	• 68						
lector	•560	1 • 411	1.341	1.341	1.320	1.254	1.320	• 56	0 1.304	4 1.293 5 1.286	1.297	1.272	1.224	1.29
ec	•580	1 . 332	1.329	1.286	1.324	1.301	1.337		0 1.299					1.35
Defl	•600	1.317	1.356			1.287		1 62	0 1.29					1.39
Def	•620			1.302				0.64	0 1.33	1 1 336		1.268	1 . 254	1.42
0				1.298					0 1.40	8 1.310	1.302	1 . 256	1.253	
	6660			1.339 1.337				.68	0 1.12	5 1.348	1.309			
	.680							.68	8 1.13	3 1.325	1.286	1 . 321	1 1.235	1 . 46
	-600	1.128												

TABLE 9 .- PRESSURE COEFFICIENTS - Continued  $\left[ \delta_{\text{S}} = -0.0000 \text{ c} \right]$ 

Pressure coefficient Cp Pressure coefficient  $C_p$  at  $\frac{y}{b/2} =$ at  $\frac{y}{b/2} =$ x/c 0.70 0.97 0.50 0.70 0.85 0.97 0.15 0.30 0.50 0391 .311 .982 · 703 .000 .010 •593 2•269 .388 2.280 .510 .000 1.576 1.325 1.215 1.639 1.276 1.209 3.891 1.788 1.737 1.652 1.642 .010 1.489 1.518 1.414 2.487 1.620 1.445 1.377 1.619 •030 •050 1 . 694 1.857 1.527 1.473 .050 1.552 1.563 1.554 1.301 .075 1.595 1.570 1.365 .075 1.414 1.401 1.260 1.346 1.348 .100 .100 1.355 1.280 1.125 1.105 1.241 1.261 1.069 •150 •200 1.422 1.207 1.156 1.068 1.193 1.350 1.386 1.239 .150 1 . 305 1.167 1.149 1.216 1.153 1 . 284 1.272 ·200 1.012 1.255 1.173 1.077 1.008 .947 .871 .950 .949 1.118 1.101 1.115 .250 1.308 1.231 1.176 ·300 1.246 1.171 1.095 1.069 1.050 1.146 .300 1.174 1.061 1.023 1.010 1.114 •300 •350 •400 •450 •500 . 983 .824 .830 962 •797 . 983 1.119 .880 .746 .744 . 400 1.175 • 937 • 866 • 903 . 450 1.129 · 874 .902 .919 1.025 .692 1.069 .751 ·884 •973 1.043 4638 .669 .658 .642 .661 .906 •500 •520 1.106 .614 .650 .658 .922 1.086 .746 .839 .946 .538 1.107 .724 1.686 .893 1.407 .967 .650 .838 .890 •538 •710 .650 1.037 .598 1.630 1 . 429 1.663 1.546 1.407 1.377 •720 •740 •760 1 . 456 1.661 1.551 1.407 1.379 1.600 1.478 1.679 1.548 1.405 1.392 .720 1.555 1.411 1.399 1.623 •740 1 . 489 1.670 1.553 1.381 1.600 1.711 1.555 1.410 1.383 1.609 1.517 1.567 1.408 .780 1.556 1.728 1.576 1.415 1.648 1.559 .780 1.540 1.703 1.579 1.419 1.657 ·800 •850 1.532 1.722 1.558 1.542 1.750 1.415 1.388 1.621 . 800 1.639 . 850 1.544 1.756 1.589 1.427 1.433 1.682 . 950 1.550 1 . 674 1.392 1.450 1.653 .950 1.544 1.438 1.401 1.664 1.000 1.386 1.634 1.375 1.636 1.000 1.294 . 848 1.356 1.418 1.305 ing .883 .794 1.070 .514 .611 .662 .771 .010 .310 4436 ·636 .010 · 464 .546 · 546 ·646 •716 •731 •783 1.064 .030 .461 .553 .030 1.028 .746 ·837 .050 .676 .923 1.198 .050 .075 .628 .713 .792 .837 .857 1.147 .960 .075 .740 1.175 .832 .906 ·100 .791 ·875 .939 1.025 1.242 .100 .691 1.002 1.252 .894 1.037 1.037 . 150 .801 .875 .919 . 949 .827 . 966 .937 1.003 1.003 1.027 1.222 1.092 1.087 .200 .907 1.063 1.023 1.044 1.002 . 948 1.082 1.085 1.132 1.098 1.264 .250 .874 1.134 1.263 .300 .987 1.053 1.053 1.060 1.077 1.232 1.062 1.132 1.135 .300 1.241 •350 1.132 1.175 1.140 1.155 1.145 1.269 1.165 1.161 .400 .450 .500 1.281 1.102 1.167 1.151 1.109 1.124 1.162 1.128 1.119 1.148 1.146 1.258 .450 1.181 1.232 1.189 1.163 1.153 1 . 265 1.179 1.229 1.237 1.199 1.165 .500 1.223 1.182 1.283 1.163 .520 1.207 1.160 1.161 1.214 1.282 .520 1.219 1.372 1.309 1.245 .540 1.233 .540 1.436 1.282 1,270 1.239 1,319 .710 1.277 1.441 .710 1.384 1.461 1.326 1.271 1.411 1.283 1.286 1.258 1.325 1.237 1.165 1.208 1.264 1.552 1.303 1.282 1.210 1.242 1 . 244 1.208 1.302 1.293 1.247 1.228 1.431 .760 1.256 1.235 .780 1.286 1 . 241 1.213 1.208 1.215 1.400 1.330 1.285 1.254 .780 1.212 1.219 1.208 1.286 1.256 1.259 1.240 .800 1.238 1.226 1.455 .800 .850 1.223 1.250 1.236 1.217 1.222 1.410 .850 1.431 4900 1.274 1.306 1.301 1.270 1.262 1.490 1.308 1.558 .950 1.236 1.300 1.320 1.293 1.300 .950 1.282 1.314 - 560 .830 •539 .671 .690 .745 .867 .855 .874 .580 .631 1.100 .878 .853 .850 1.214 1.270 1.314 .819 •549 •619 •709 .661 .717 .789 .600 1.160 .615 .629 .848 . 600 .634 .700 .792 ·656 ·847 .620 .640 .870 . 865 .888 .872 .620 1.223 925 ·915 . 813 .916 .930 .640 .660 1.369 .863 .840 1.037 .660 1.405 .942 .961 1.113 1.011 .680 1.425 1.143 1.157 1.072 1.091 1.175 1.395 1.106 .680 1.300 1.301 1.151 .690 1.271 1.264 1.198 1.342 .690 1.505 1.735 1.707 1.703 1.701 .560 1.379 1.516 1.396 1.373 1.573 1.404 1.374 1.579 1.730 1.524 1.522 .600 1.391 1.388 1.576 .600 1.397 1.391 1.587 1.529 .620 .620 1.698 1.400 1.373 1.588 • 640 • 660 1.723 1.517 1.391 1.385 1.740 1.513 1.382 1.600 .660 1.716 1.528 1.381 1.380 .680 1.719 1.520 1.389 1.369 1.583 .680 1.750 1.515 1.379 1.378 1.585 1.527 1.389 .690 1.726 1.536 1.552 1.565 1.585 1.736 1.742 1.751 1.495 1.509 1.524 1.369 1.377 1.384 1.357 .560 1 4 3 5 2 1.712 .560 1.366 -580 1.711 1.508 1.386 1.369 .580 1.518 1.395 1.407 1.715 .600 1.717 1.573 .600 1.760 1.379 1.586 .620 1.541 1.403 1.388 1.728 .620 1.414 1.600 .640 .660 1.539 1.721 1.379 1.599 .640 1.380 1.595 1.724 1.555 1.408 1.394 1.569 1.387 .680 .680 1.671 1.555 1.404 1.581 1.393 1.389 1.404 1.376 1.577 . 688 1.674 1.543 1.236 1.248 1.242 1.188 1.249 1.230 1.266 1.292 1.326 .560 1.280 1.186 1.187 1.230 •560 1.339 1.230 1.154 .600 1.201 1.219 1.193 1.202 1.214 1 . 298 .600 1.255 1.274 1.243 1.325 1.264 1.229 1.241 1.209 1.403 1.477 •620 •640 1.210 1.230 1.182 1.202 .620 1.210 1.244 1.204 1.351 1.224 1.178 1.200 .640 1.295 1.224 1.223 1.188 1.298 1.270 .660 1.270 1.227 1.223 .660 .680 1.315 1.262 1.229 1.265 1.206 .680 1.380 1 . 242 1.210 1.211 . 688 .688 1.119 1.289 1 4253 1.294 1.440

TABLE 9 .- PRESSURE COEFFICIENTS - Continued

[8<sub>s</sub> = 4.100 c; 8<sub>d</sub> = 4.00000 c

a = 8 ° Pressure co fficient  $C_p$  at  $\frac{y}{b/2} =$ x/c 0.70 0.85 0.97 1.205 2.033 1.932 .000 1.605 .010 4.183 1.722 1.476 1.365 2.291 1.714 1.471 1.346 1.755 1.330 .050 1.993 2.205 2.195 .075 1.740 1.705 1.474 1.319 1.491 1.662 1.695 1.302 .100 1.548 2.183 1.973 1.453 1.282 .150 1.680 1.440 1.661 1.262 1.390 .200 1.364 1.698 .250 1 . 413 1.646 1.449 1.340 1.607 1.434 1.246 1.316 1.552 1.426 .350 1.300 •400 •450 1.257 1.243 1.082 1.474 1.408 1.406 1.397 1.242 1.217 .500 1.147 .697 1.359 1.328 ·665 1.310 1.121 1.368 1.222 .999 1.227 .963 .538 1 . 125 1.417 1.655 1.618 •710 •720 1.517 1.487 1.440 1.484 1.438 1.625 1.630 •740 1.491 1.674 1.538 1 . 449 1.458 1.685 1.501 1.642 1.517 .760 1.657 1.506 .780 1.565 1.690 1.562 1.699 1.476 1.564 1.514 1.663 1.670 1.483 1.583 .850 .950 1 . 436 1.583 1.499 1.456 1.429 1.311 1.367 1.374 1.643 1.000 Wing .482 .601 · 188 • 367 • 465 .548 •760 •954 .010 .030 1.019 •437 •520 •587 •050 •075 .547 .614 .661 .630 •705 •745 .728 .764 1.100 1.141 .100 .688 .879 • 697 • 746 .150 .787 .836 .854 1.180 .915 • 948 1.212 .200 1.223 .250 .798 .919 .938 .956 990 983 1.012 1.236 .300 1.019 1.010 •350 •400 .987 1.033 1.093 1.067 1.031 1.105 1.042 1.258 1.068 .450 1.092 1.112 1.103 1.122 1.089 1.103 1.283 1.148 1.300 1.101 .520 1.318 •540 •710 1.124 1.164 1.313 1.176 1.160 1.231 1.232 1.227 1.372 1.226 •740 •760 1.223 1.215 1.151 1.196 1.123 1.186 1.204 1.155 1.167 1.362 1.382 1.199 1.251 .780 .800 1.202 1.171 1.171 1.154 1.163 1.184 1.400 1.189 .850 .900 1.208 1.229 1.208 1.184 1.228 1.271 1.251 1.237 1.265 1.495 •563 •544 •581 •560 •580 1.322 1.211 .812 1.317 .849 .600 1.180 1.224 1.223 1.207 •633 •702 1.200 1.294 1.220 .892 •620 . 955 1.281 .640 1.258 •794 1•033 1.338 1.276 1.257 1.031 .660 1.219 1.164 .680 1.366 •690 1.398 1.188 1.302 1.287 1.350 1.608 1.465 1.483 1.495 •560 •580 1.578 Spoil 1.462 1.416 1 . 473 1.424 1.585 1.611 .600 1.500 1.602 .620 1.613 1 . 475 1 . 435 1.615 1.428 1.602 .640 .660 1.624 1.473 1.462 1.462 1.417 1.580 .680 .690 1.650 1.476 1.403 1.412 1.421 1.429 1.610 1.454 1.448 1.613 1.565 1.496 1.471 1.579 surface: Upper .600 .620 .640 1.611 1.615 1.534 1.486 1.438 1.626 1.482 1.625

1.616

1.610

1.609

1.169 1.178 1.193

1.178 1.217

1.196

.660

.688

•560

.600

.620

.640

.6BO

.688

1.144

1.159

1.194

1.266

1.103

Deflector : Lower

1.530

1.514

1.142 1.133

1.176

1.163

1.482

1.122 1.144 1.141

1.143

1.133

1.196

1.428

1.168

1.134

1.156

1.147

1.587

1.289

1.309

1.331

1.382

1.398

			n = 10 °		17	
x/c		ressure c		-	$\frac{\sqrt{b}}{b/2} = -$	
	0.15	0.30	0.50	0.70	0.85	0.97
.000	1.843	1.122	• 727	1.095	.670 1.357	1.076
.010	4.186	2 • 459	1.879	1.535	1.357	1.512
.050	3.609	2.419	1.870	1.534	1.342	1.452
.075	2.330	2 • 410	1 . 865	1.534	1.338	1.403
.100 .150	1.706	2 • 422	1.857	1.526	1.331	1.385
. 200	1.575	2.394	1.843	1.537	1.322	1.392
.250	1.507	2.164	1.853	1.553	1.332	1.405
.300	1.424	1.878	1.862	1.571	1.350	1.416
. 350	1.373	1.585	1.850	1.586	1.383	1.426
. 450	1.269	1.090	1.750	1.580	1.396	1.420
.500	1.228	. 836	1.682	1.518	1.389	1.390
• 520 • 538	1.204	. 800 . 870	1.601	1.536	1.383	1.364
• 710	1.416	1.642	1.554	1.498	1.414	1 . 451
.720	1.443	1.649	1.558	1.497	1.414	1 . 447
.740	1.487	1.665	1.569	1.503	1.421	1.453
• 760 • 780	1.510	1.673	1.577	1.503	1.428	1 • 457
. 800	1.548	1.671	1.575	1.504	1 . 444	1 . 466
.850	1.554	1.651	1.540	1.488	1 . 455	1 . 468
• 950	1.407	1.533	1.429	1 . 444	1.421	1 . 481
1.000	1.303	.938	1.355	1.381	1.364	1.444
.010	•120 •240	·334 ·391	· 358	.407 .518	• 488	.618
.050	• 340	• 468	.529	.576	.714	.853
.075	•434	.543	.611	•643	•702	.931
.100	.504	• 602	•657	•709	200	1.035
• 150 • 200	.618 .677	• 705 • 789	•759 •799	• 784 • 847	•828 •894	1.081
. 250	.742	. 842	. 865	.897	.933	1.101
.300	.833	• 913	.923	•932	.968	1.127
• 350	•917	• 963	. 948	• 966	1.003	1.150
• 400 • 450	.964 1.032	1.042	1.030	1.041	1.031	1.180
.500	1.044	1.069	1.063	1.050	1.073	1.200
.520	1.046	1.095	1.062	1.065	1.077	1.212
.540	1.066	1.251	1.126	1.120	1.126	1.229
•710 •740	1.181	1.315	1.193	1.133	1.200	1.37
.760	1.174	1.168	1.150	1.137	1.157	1.227
.780	1.210	1.163	1.126	1.138	1.152	1.24
.800	1.163	1.136	1.136	1.136	1.152	1.25
• 850 • 900	1.154	1.179	1.150	1.185	1.192	1.27
. 950	1.198	1.231	1.216	1.232	1.254	1.33
• 560	1.196	· 654 • 679	1.520			
• 580	1.197		1.527	1.503	1.366	1.34
.600 .620	1.247	.663 .684	1.491	1:487	1.363	1.32
.640	1.274	.717	1.422	1.472	1.354	1.32
.660	1.341	.780		1.466	1.357	1.32
• 680 • 690	1.368	994 1.144	1.410	1.458	1.364	1.36
. 690	1 6 3 7 0			10071	10017	2.0
• 560		1.580	1.519	1.468	1.390	1.41
.600		1.591	1.532	1.473	1.399	1.42
.620		1.596	1.537	1 0 476	1.409	1 0 43
• 640 • 660		1.598	1.525	1.470	1.396	1.42
.680		1.609	1.531	1.479	1.387	1.42
.690		1.617	1.549	1.491	1.394	1.42
.560		1.576	1.518	1.461	1.381	1.40
.580		1.588	1.523	1.474	1.383	1.41
•600 •620		1.594	1.538	1.481	1.406	1.43
.640		1.611	1.543	1.492	1.416	1.44
•660		1.615	1.545	1.495	1.404	1:44
.680 .688		1.606	1.548	1.496	1.404	1.42
F/A	1.162	1.080	1.098	1.085	1.089	1.15
# 56U	1.162	1.088	1.059	1.108	1.152	1.20
• 560 • 580						
.600			1.092	1.110	1.115	1.20
	1.106	1.137	1.092	1.110	1.115	1.20
.600 .620	1.106 1.114 1.150	1.137	1.092	1.110	1.115	1.20 1.21 1.25 1.25

TABLE 9 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = 0.100 \text{ c}; \delta_{d} = 0.00000 \text{ c}\right]$ 

α = 12 °

1.000   1.700   1.000   0.00			-		α = 12 0							a = 14 0			
1.00		11/0	1	Pressure	coefficier	nt Cp a	at $\frac{y}{b/2} = -$	-	-/-	I	Pressure o	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
0.00   2.908   2.376   1.909   1.573   1.590   1.595		X/C	0.15	0.30	0.50	0.70			x/c	0.15	0.30	0.50	0.70		0.97
0.00   2.908   2.376   1.909   1.573   1.590   1.595		•000	1.290	1.302	.878	1.292	•905	1.313	•000	1.172	1.328	1.004	1.666	1.136	1.619
1.000   2.000   2.000   1.00		.010		2.376	1.904	1.573	1.503	1.564	•010	2.503	2.173	1.920	1.734	1.658	1.693
1,000   1,00															
1:00 2.770 2.1220   1.690   1.598   1.592   1.590															1.708
200 2188							1.518								1.714
1.250   1.894   2.300   1.870   1.623   1.527   1.589   .250   2.208   2.188   1.670   1.789   1.722   1.78   1.	1						1.532								1.734
1,000   1,618   2,220   1,676   1,657   1,670   1,603   3,00   2,007   2,171   1,602   1,780   1,791   1,605   1,791   1,007   1,007															1.754
1.280   1.282   2.085   1.072   1.482   1.272   1.612   1.252   1.073   1.173   1.162   1.273   1.773   1.162   1.273   1.773   1.173   1.162   1.273   1.773   1.162   1.273   1.27								1.603							1.805
1-22   1.22   1.21   1.21   1.00   1.600   1.592   1.293   1.293   1.204   1.400   1.707   1.799   1.008   1.72   1.204   1.205   1.	54						1.578	1.613	• 350	1.879	2.119	1.856	1.790	1.751	1.824
1-22   1.22   1.21   1.21   1.00   1.600   1.592   1.293   1.293   1.204   1.400   1.707   1.799   1.008   1.72   1.204   1.205   1.	obe														
1.520   1.521   1.516   1.697   1.608   1.592   1.594   1.594   1.595   1.59	l i														
1710   1.432   1.750   1.555   1.471   1.407   1.406   .710   1.895   1.716   1.628   1.477   1.495   .770   1.461   1.727   1.462   1.477   1.495   .770   1.461   1.477   1.495   1.477   1.495   .770   1.481   1.477   1.482   1.477   1.482   1.477   1.481   1.477   1.481   1.477   1.481   1.477   1.481   1											1.842	1.797	1.759		1.726
1,720   1,461   1,722   1,564   1,470   1,409   1,461   7,720   1,418   1,670   1,465   1,450   1,45															1.682
1-40   1.407   1.650   1.671   1.650   1.474   1.417   1.465   1.407   1.407   1.407   1.407   1.407   1.407   1.407   1.407   1.407   1.407   1.407   1.407   1.407   1.407   1.407   1.407   1.407   1.407   1.408															
															1.531
						1.480	1.427	1.472	•760	1.384	1.632	1.602	1.491	1.480	1.540
100	100														1.544
100	ac														
100	E									1.237					1.510
\$\begin{array}{c c c c c c c c c c c c c c c c c c c								1.446	1.000	1.189	• 361		1.408	1.418	1.472
0.500	/ing	•010	• 096	.329	.345	.382	.425	•599	•010	•079	.332	• 347	• 372	.411	.588
1075   3390   4499   556   6500   635   917   1070   426   512   563   6501   996   1010   1020	K	•030	•209	•354	•415	• 474		•740	•030	.181		.390	• 429		
100			• 302												
150			• 458		•601		.033							. 200	•960
250		•150	.571	•653	•703	.739		1.034	• 150	.535	.612	•658	.684		1.034
1.300															
1.350															1.148
1.520	H						• 979	1.158	• 350	.834	.872	.867	.895		1.168
1.520	We														1.190
520   1.005   1.053   1.023   1.038   1.218   520   978   1.016   998   1.011   1.046   1.23   1.036   1.026   1.181   1.227   1.142   1.155   1.055   1.070   1.106   1.23   1.070   1.143   1.275   1.163   1.194   1.184   1.223   770   1.125   1.236   1.153   1.182   1.176   1.23   1.700   1.134   1.128   1.130   1.128   1.155   1.218   770   1.125   1.236   1.153   1.182   1.176   1.23   1.700   1.134   1.128   1.130   1.128   1.155   1.218   770   1.125   1.236   1.153   1.182   1.176   1.23   1.700   1.128   1.130   1.128   1.155   1.218   770   1.125   1.236   1.153   1.182   1.176   1.23   1.100   1.128   1.130   1.128   1.155   1.236   770   1.125   1.236   1.153   1.182   1.176   1.23   1.100   1.128   1.130   1.128   1.155   1.236   770   1.125   1.236   1.153   1.182   1.176   1.234   1.180   1.128   1.130   1.135   1.152   1.236   1.130   1.128   1.130   1.135   1.152   1.236   1.130   1.132   1.144   1.147   1.165   1.234   1.165   1.234   1.161   1.125   1.135   1.132   1.156   1.234   1.161   1.151   1.125   1.130   1.115   1.177   1.266   1.235   1.234   1.674   1.601   1.546   1.545   1.591   1.593	13														
**T10 1:143 1:275 1:163 1:194 1:284 1:223															1.233
**************************************															1.236
1,000															
															1.236
\$850															1.242
\$\color 0   1.122	139														
**500 1.320 1.370 1.644 .**  **500 1.320 1.370 1.664 .**  **500 1.320 1.370 1.664 .**  **500 1.320 1.370 1.664 .**  **500 1.320 1.370 1.664 .**  **500 1.320 1.370 1.664 .**  **500 1.320 1.370 1.664 .**  **500 1.320 1.370 1.664 .**  **500 1.320 1.370 1.664 1.610 1.543 1.484 .**  **500 1.485 1.460 1.480 1.460 1.460 .**  **500 1.485 1.460 1.480 1.460 1.460 .**  **600 1.435 1.220 1.324 1.674 1.691 1.533 1.437 .**  **600 1.435 1.220 1.322 1.324 1.674 1.591 1.533 1.437 .**  **600 1.427 1.281 1.633 1.599 1.534 1.420 .**  **600 1.445 1.350 1.669 1.504 1.539 1.421 .**  **600 1.445 1.485 1.870 1.783 1.61 1.794 1.620 .**  **600 1.446 1.330 1.669 1.594 1.593 1.420 .**  **600 1.445 1.660 1.455 1.669 1.660 1.455 1.669 .**  **600 1.474 1.650 1.455 1.669 1.660 1.455 1.660 1.455 1.669 .**  **600 1.474 1.650 1.455 1.669 1.460 1.465 .**  **600 1.474 1.650 1.465 1.465 1.465 .**  **600 1.774 1.550 1.644 1.439 1.440 1.436 1.460 .**  **600 1.774 1.550 1.440 1.382 1.449 .**  **600 1.774 1.550 1.451 1.440 1.376 1.408 .**  **600 1.775 1.541 1.440 1.376 1.408 .**  **600 1.776 1.558 1.457 1.451 1.399 1.442 .**  **600 1.776 1.558 1.457 1.493 1.498 .**  **600 1.776 1.558 1.457 1.493 1.498 .**  **600 1.778 1.559 1.447 1.451 1.399 1.443 .**  **600 1.778 1.559 1.447 1.451 1.399 1.443 .**  **600 1.778 1.559 1.447 1.451 1.399 1.443 .**  **600 1.778 1.559 1.447 1.451 1.399 1.443 .**  **600 1.778 1.559 1.447 1.440 1.376 1.408 .**  **600 1.778 1.559 1.447 1.440 1.376 1.408 .**  **600 1.778 1.559 1.447 1.440 1.376 1.408 .**  **600 1.778 1.559 1.457 1.490 1.442 .**  **600 1.778 1.559 1.457 1.490 1.442 .**  **600 1.778 1.559 1.457 1.490 1.442 .**  **600 1.778 1.559 1.457 1.490 1.442 .**  **600 1.778 1.599 1.490 1.49															1.293
1.580   1.314   1.427   1.675   1.599   1.547   1.511   .580   1.486   1.880   1.880   1.786   1.705   1.710   1.543   1.484   .600   1.457   1.786   1.888   1.751   1.778   1.816   1.799   1.723   1.699   1.669   1.660   1.455   1.778   1.816   1.799   1.723   1.699   1.660   1.422   1.218   1.599   1.531   1.420   .660   1.455   1.778   1.816   1.799   1.723   1.699   .660   1.422   1.218   1.599   1.531   1.420   .660   1.455   1.678   1.884   1.870   1.819   1.735   1.650   .699   1.4446   1.350   1.659   1.504   1.559   1.421   .6600   1.445   1.699   1.851   1.764   1.633   1.659   1.599   1.451   1.404   .660   1.455   1.644   1.845   1.870   1.783   1.610   1.650   1.774   1.774   1.650   1.774   1.															1.338
1.580   1.314   1.427   1.675   1.599   1.547   1.511   .580   1.486   1.880   1.880   1.786   1.705   1.716   1.543   1.484   .600   1.487   1.778   1.816   1.799   1.673   1.699   1.693   1.711   .600   1.485   1.486   1.880   1.786   1.705   1.716   1.888   1.751   1.788   1.816   1.799   1.723   1.699   1.660   1.422   1.218   1.599   1.534   1.420   .680   1.427   1.281   1.633   1.599   1.534   1.404   .680   1.485   1.699   1.851   1.764   1.633   1.599   1.534   1.420   .680   1.447   1.281   1.633   1.599   1.534   1.420   .680   1.431   1.641   1.845   1.870   1.783   1.615   1.774   1.652   1.599   1.436   1.472   1.653   1.472   1.690   1.435   1.664   1.845   1.870   1.783   1.615   1.774   1.652   1.640   1.744   1.651   1.774   1.652   1.455   1.395   1.442   .660   1.724   1.600   1.724   1.600   1.472   1.650   1.472   1.450   1.442   .660   1.774   1.600   1.472   1.431   1.552   1.463   1.379   1.442   .660   1.774   1.600   1.472   1.431   1.552   1.474   1.650   1.472   1.431   1.552   1.474   1.650   1.472   1.431   1.552   1.474   1.650   1.472   1.443   1.552   1.474   1.650   1.472   1.443   1.552   1.474   1.472		•560	1.320	1.370	1.644				•560	1.490	1.751	1.791			
1	H	•580	1.314	1.427					•580	1.466					1.718
1	) be												1.799		
**560	di.				1.644										1.656
**560	lac	•660	1 . 422	1.218										1.764	1.631
*560	n														
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	i i	•070	1.740			2004	10007	10721		20100	2.544			20174	1.023
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	oile	•560		1.706	1.536	1.450	1.384	1.424	• 560		1.723	1.595	1.461	1.418	1.468
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	Spo														1.502
*660 1.749 1.540 1.440 1.382 1.449	J. O.			1.735											1.520
*680	L.														
*690 1.734 1.572 1.463 1.390 1.443   *690 1.666 1.630 1.472 1.431 1.552   *690 1.6696 1.630 1.472 1.431 1.552   *690 1.670 1.670 1.541 1.440 1.376 1.408   *580 1.705 1.541 1.440 1.376 1.408   *580 1.721 1.595 1.450 1.405 1.445   *600 1.735 1.609 1.462 1.424 1.455 1.440   *600 1.735 1.609 1.472 1.431 1.609 1.474 1.455 1.440   *600 1.735 1.609 1.474 1.455 1.440   *600 1.743 1.609 1.474 1.455 1.449   *660 1.744 1.555 1.475 1.400 1.449   *660 1.772 1.567 1.404 1.400 1.449   *660 1.772 1.567 1.404 1.400 1.417   *688 1.727 1.567 1.404 1.400 1.417   *688 1.727 1.567 1.404 1.400 1.417   *688 1.511 1.875   *680 1.059 1.060 1.059 1.065 1.021 1.066 1.079 1.163   *580 1.031 1.011 1.006 1.062 1.440 1.20   *600 1.059 1.079 1.066 1.099 1.134 1.196   *600 1.034 1.049 1.045 1.026   *620 1.059 1.093 1.062 1.092 1.107 1.199   *620 1.046 1.061 1.006 1.062 1.140 1.20   *620 1.059 1.079 1.058 1.094 1.129 1.218   *660 1.105 1.066 1.076 1.107 1.058 1.094 1.129 1.218   *660 1.101 1.004 1.089 1.075 1.123 1.23   *660 1.101 1.004 1.089 1.075 1.120 1.229   *680 1.176 1.176 1.104 1.089 1.075 1.120 1.229   *680 1.															
\$\begin{array}{c c c c c c c c c c c c c c c c c c c															1.522
\$1.00		.540		1.604	1.532	1.424	1.240	1-606	, 540		1.706	1.594	1.442	1.200	1.627
1.00	1	.580		1.705	1.541	1.440	1.376	1.408	•580		1.721	1.595	1.450	1.405	1.444
1.   1.   1.   1.   1.   1.   1.   1.	pe							1.420				1.609			1.457
\$\frac{5}{60} \begin{array}{c c c c c c c c c c c c c c c c c c c	Up Up														1.494
\$\frac{5}{60} \begin{array}{c c c c c c c c c c c c c c c c c c c	fac						1.410						1.491		1.482
\$\begin{array}{c ccccccccccccccccccccccccccccccccccc	sm				1.575										1.456
640 1.076 1.107 1.058 1.094 1.129 1.218 660 1.054 1.082 1.044 1.076 1.123 1.234 660 1.115 1.093 1.103 1.088 1.125 1.271 6680 1.105 1.064 1.089 1.075 1.120 1.294 1.089 1.295 1.133 1.110 1.161 1.130 1.262 680 1.176 1.104 1.097 1.145 1.128 1.276	or	.000			1.001			10-11				. 10027		10441	
640 1.076 1.107 1.058 1.094 1.129 1.218 660 1.054 1.082 1.044 1.076 1.123 1.234 660 1.115 1.093 1.103 1.088 1.125 1.271 660 1.101 1.064 1.089 1.075 1.120 1.291 680 1.195 1.133 1.110 1.161 1.130 1.262 680 1.176 1.104 1.097 1.145 1.128 1.27	ect	•560	1.120	1.036	1.060	1.066	1.079	1.163	• 560	1.091	1.011	1.037	1.041	1.072	1.187
640 1.076 1.107 1.058 1.094 1.129 1.218 660 1.054 1.082 1.044 1.076 1.123 1.234 660 1.115 1.093 1.103 1.088 1.125 1.271 660 1.101 1.064 1.089 1.075 1.120 1.291 680 1.195 1.133 1.110 1.161 1.130 1.262 680 1.176 1.104 1.097 1.145 1.128 1.27	efl				1.066	1.089			.600	1.034	1.049	1.045	1.068		1.217
•660 1.115 1.093 1.103 1.088 1.125 1.271 660 1.101 1.064 1.089 1.075 1.120 1.291 660 1.195 1.133 1.110 1.161 1.130 1.262 660 1.176 1.104 1.097 1.145 1.128 1.271	DW	.620	1.069			1.092	1.107	1.199	•620	1.046		1.042	1.076	1.096	1.214
•680 1•195 1•133 1•110 1•161 1•130 1•262   •680 1•176 1•104 1•097 1•145 1•128 1•27	L											1.044			1.234
•688 1.097 1.116 1.094 1.147 1.118 1.218   .688 1.097 1.086 1.083 1.133 1.113 1.216												1.097	1.145		1.273
		•688											1.133		1.218
						-									

TABLE  $^9$  .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{\text{S}}=^{-0.100}\text{c};\,\delta_{\text{d}}=^{-0.00000}\text{c}\right]$ 

a = 180 α = 16 °

		I	ressure	coefficient	t Cp at	$\frac{y}{b/2} = -$			P	ressure co	pefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0,85	0.97
	•000	1.040	1.298	1.067	1.790	1.241	1.663	.000	1.026	1.301	1.111	1.832	1.345	1.630
	.010	2.142	2.041	1.909	1.786	1.708	1.694	.010	1.948	1.881	1.853	1.779	1.718	1.638
	.030	2.077	2,020	1.895	1.791	1.705	1.699	• 030	1.900	1.864	1.851	1.773	1.719	1.643
	.000	2.067	2.015	1.890	1.797	1.716	1.731	.075	1.891	1.860	1.852	1.779	1.718	1.647
	•075	2.065	2.015	1.890	1.801	1.714	1.711	.100	1.894	1.864	1.850	1.778	1.718	1.655
	.100	2.070	2.018	1.887	1.807	1.727	1.734	. 150	1.890	1.864	1.855	1.787	1.730	1.667
	•150	2.057	2.017	1.885	1.814	1.741	1.752	.200	1.878	1.865	1.854	1.790	1.741	1.682
	•200 •250	2.027	2.013	1.885	1.824	1.764	1.776	.250	1.879	1.864	1.855	1.799	1.751	1.702
	• 300	1.987	2.007	1.883	1.833	1.775	1.801	.300	1.874	1.865	1.859	1.799	1.758	1.717
	•350	1.946	1.997	1.883	1.838	1.789	1.818	• 350	1.871	1.865	1.856	1.799	1.757	1.731
Upper	•400	1.910	1.979	1.877	1.833	1.783	1.818	• 400	1.871	1.864	1.858	1.796	1.753	1.714
dd	• 450	1.857	1.953	1.874	1.820	1.759	1.804	• 450	1.865	1.856	1.867	1.814	1.758	1.680
2	•500	1.825	1.914	1.862	1.806	1.736	1.763	• 500	1.859	1.858 1.859	1.879	1.855	1.766	1.655
	.520	1.795	1.898	1.866	1.816	1.728	1.724	•520 •538	1.849	1.860	1.884	1.847	1.751	1.624
	•538	1.814	1.880	1.867	1.821	1.711	1.526	• 710	1.737	1.788	1.636	1.495	1.504	1.494
	•710	1.570	1.748	1.642	1.490	1.471	1.519	.720	1.727	1.781	1.635	1.500	1.504	1.485
	•720	1.565	1.735	1.630	1.501	1.487	1.525	.740	1.743	1.783	1.639	1.510	1.518	1.495
	• 740	1.578	1.727	1.634	1.509	1.501	1.531	.760	1.731	1.784	1.647	1.521	1.532	1.502
	•760	1.546	1.717	1.632	1.518	1.511	1.538	.780	1.743	1.785	1.649	1.535	1.544	1.512
	•780	1.557	1.713	1.629	1.532	1.518	1.539	.800	1.732	1.785	1.648	1.547	1.549	1.512
	.800 .850	1.530	1.653	1.618	1.510	1.535	1.550	.850	1.714	1.753	1.645	1.521	1.573	1.522
	• 950	1.326	1.492	1.541	1.501	1.489	1.512	• 950	1.538	1.633	1.580	1.525	1.522	1.487
	1.000	1.247	• 442	1.411	1.433	1.448	1.473	1.000	1.414	•541	1.442	1.464	1.486	14440
				2.50	0.70	. 4.00	-580	.010	• 045	• 339	. 365	.380	•410	•565
	.010	• 068	• 336	•359	•373	• 408	.580 .691	.030	.133	.312	.370	.399		.653
	•030	•159 •244	•323 •378	•382 •427	• 455	.011	.779	.050	.218	• 357	.404	•437	•611	•743
	.050	• 244	• 439	•421	•513	.563	.875	.075	.303	• 407	• 463	• 489	•536	.831
	.075 .100	• 396	• 490	•543	•579		•937	.100	.365	• 458	.510	•549		.890
	.150	• 505	• 586	•634	.658	•712	1.017	. 150	• 477	• 548	.597	•627	•681 •769	1.032
	.200	•567	.666	•685	.728	•796	1.079	.200	•537	•629	• 654	•697	.823	1.064
	.250	.634	.720	•751	.786	.845	1.110	. 250	•604	• 687	.720	•761 •804	.875	1.094
	•300	.713	.791	.810	.829	.896	1.136	.300	•685	• 754	.784 .824	.856	.927	1.117
H	•350	.800	.852	.846	.876	•940	1.155	.350	•777 •832	• 822 • 906	,912	.898	•968	1.139
Lower	.400	.859	•935	.935	•914	• 977	1.176	• 400	• 906	. 895	,916	.945	.998	1.158
9	• 450	•927	•918	•932	.960	1.012	1.192	• 450	•930	• 954	.973	.975	1.028	1.179
H	•500	• 948	• 974	•984	.988	1.036	1.214	.520	•938	995	.981	0994	1.039	1.188
	•520	.949	1.008	•990	1.004	1.044	1.230	.540	.957	1.139	1.046	1.050	1.097	1.196
	•540	.976	1.149	1.053	1.059 1.184	1.182	1.227	.710	1.123	1.273	1.172	1.193	1.191	1.200
	•710	1.118	1.257	1.163	1.112	1.194	1.281	.740	1.134	1.131	1.073	1.121	1.205	1.248
	•740	1.122	1.115	1.065	1.123	1.162	1.230	.760	1.134	1.148	1.155	1.135	1.173	1.206
	•760 •780	1.119	1.130	1.120	1.128	1.158	1.240	.780	1.171	1.156	1.139	1.141	1.176	1.218
	.800	1.121	1.108	1.138	1.139	1.166	1.255	.800	1.141	1.137	1.155	1.150	1.181	1.232
	.850	1.120	1.164	1.172	1.166	1.184	1.264	. 850	1.155	1.205	1.195	1.180	1.206	1.242
	•900	1.151	1.190	1.225	1.206	1.230	1.285	. 900	1.208	1.254	1.256	1.227	1.254	1.267
	•950	1.169	1.225	1.289	1.261	1.292	1.339	. 950	1.258	1.311	1.322	1.200	10321	10011
1				. 070				.560	1.845	1.861	1.886			
	•560	1.786	1.874	1.870	1.841	1.740	1.720	.580	1.834	1.866	1.903	1.869	1.793	1.658
H	•580	1.761	1.890	1.893	1.860	1.766	1.724	.600	1.818	1.868	1.913	1.885	1.820	1 . 663
pper	.620	1.709	1.896	1.909	1.879	1.790	1.710	.620	1.807	1.874	1.921	1.893	1.849	1.655
	•640	1.679	1.887	1.928	1.900	1.813	1.678	• 640	1.793	1.874	1.925	1.904	1.874	1.643
2	•660	1.677	1.901		1.926	1.853	1.655	• 660	1.788	1.878	1 014	1.905	1.896	1.643
I I	.680	1.645	1.894	1.940	1.922	1.883	1.664	.680	1.773	1.881	1.916	1.887	1.899	1.738
Surface	•690	1.644	1.906	1.947	1.827	1.882	1.692	• 690	1.772	1 • 882	10 713	18040	1.000	23,50
			, 400	1 / 00				.560		1.754	1.600			
Spoiler	•560		1.732	1.608	1.471	1 • 442	1.469	.580		1.763	1.605	1.472	1.480	1.448
d.	•580		1.746	1.620	1.480	1.453	1.499	.600		1.767	1.612	1.489	1.492	1.479
de co	•600		1.746	1.623	1.486	1.458	1.524	.620		1.777	1.615	1.496	1.496	1.499
Lower	•620 •640		1.744	1.613	1.472	1.443	1.529	.640		1.775	1.605	1.479	1.484	1.503
П	•660		1.751	1.615	1.464	1.439	1.524	.660		1.787	1.605	1.469	1.477	1.496
	•680		1.757	1.609	1.460	1.433	1.511	.680		1.792	1.598	1.463	1.474	1.484
	•690		1.756		1.476	1.456	1.516	.690		1.795	1.620	1.485	1.496	18704
							1 / 25	.560		1.754	1.590	1.454	1.455	1.411
	•560		1.729		1 • 445	1.417	1.435	.580		1.760	1.594	1.461	1.465	1.420
ы	•580		1.734		1.453	1.425	1.441	.600		1.770		1.488	1.486	1.438
90	•600		1.744		1.475	1.459	1.481	.620		1.777		1.503		1.458
.e	•620		1.746				1.498	.640		1.785	1.632			1.479
120	•640		1.750				1.481	.660		1.789	1.645			1.460
ırf	•660 •680		1.748	1.655		1.469	1.454	.680	1	1.791	1.656	1.500		1.427
surface: Upper	•688		1.743	1.638				.688	3	1.793	1.638	1.492	1 . 4.99	1 0 4 3 6
Or									1 050	000	1-024	1-027	1.067	1.16
ctc	.560	1.073	.998 1.011	1.031	1.036	1.069	1.193	•560	1.058	• 988 1• 004	1.024	1.027	1.067	1.168
Je	.580	1.019	1.011	1.000	1.058	1.136	1.198	.600	1.009	1.048		1.061	1.124	1.18
ef	.600					1.098	1.214	1620	1.025	1.064		1.068	1.097	1.18
	•620						1.225	.640	1.039	1.086	1.045	1.075		1.19
OW							1.290	. 660	1.088	1.074	1.096			1.24
Deflector : Lower										1 101				
Lowe	•660 •680					1.127	1.269	. 680	1.164	1.124				

TABLE 9 .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{s} = -0.100 \text{ c}; \delta_{d} = -0.00000 \text{ c}\right]$ a = 22 0

 $\alpha = 20^{\circ}$ 

T			Dressure	coefficien	t Cp at	<u>y</u> = -	-		P	ressure c	oefficient	C <sub>n</sub> at	$\frac{y}{b/2} = -$	
	x/c				0.70	$\frac{y}{b/2} = -$	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.9
-	. ,	0.15	0.30	0.50	0.10	0,00	0.97		0.10	0.00	0.00	0.70	0.00	0.0
	.000	1.062	1.343	1.177	1.833	1.404	1.596	•000	1.079	1.391	1.216	1.834	1.465	1.5
	.010	1.860	1.844	1.835	1.749	1.689	1.586	•010	1.781	1.801	1.788	1.725	1.679	1.5
	.050	1.833	1.830	1.819	1.743	1.689	1.588	•050	1.780	1.801	1.785	1.724	1.675	1.5
	•075	1.834	1.830	1.821	1.744	1.688	1.592	•100	1.782	1.803	1.786	1.727	1.677	1.5
	•100 •150	1.838	1.835	1.821	1.746	1.693	1.599	•150	1.790	1.809	1.788	1.732	1.691	1.5
	.200	1.841	1.831	1.823	1.751	1.710	1.623	•200	1.792	1.809	1.786	1.735	1.690	1.5
	.250	1.844	1.834	1.826	1.751	1.713	1.630	•250	1.794	1.809	1.786	1.735	1.693	1.5
	.300	1.847	1.832	1.825	1.755	1.716	1.642	•300	1.798	1.811	1.792	1.739	1.706	1.5
er	.400	1.843	1.833	1.841	1.775	1.723	1.639	•400	1.800	1.814	1.821	1.794	1.727	1.5
Upper	• 450	1.837	1.833	1.859	1.821	1.748	1.623	•450	1.801	1.816	1.839	1.850	1.769	1.5
P	•500	1.839	1.836	1.876	1.850	1.777	1.603	•500	1.803	1.820	1.855	1.861	1.803	1.5
	•520	1.833	1.837	1.873	1.836	1.763	1.574	.538	1.802	1.820	1.842	1.831	1.772	1.5
	.710	1.770	1.796	1.640	1.514	1.525	1.480	•710	1.749	1.779	1.626	1.545	1.555	1.4
	•720	1.766	1.791	1.642	1.519	1.524	1.476	•720	1.747	1.782	1.627	1.546	1.552	1.
	•740	1.766	1.797	1.650	1.528	1.543	1.490	.760	1.748	1.790	1.643	1.573	1.580	1.
	.780	1.777	1.800	1.659	1.556	1.564	1.498	.780	1.760	1.792	1.647	1.585	1.589	104
Surface	.800	1.774	1.800	1.661	1.569	1.568	1.504	•800	1.764	1.796	1.654	1.597	1.595	1.4
Ta	·850 •950	1.771	1.786	1.665	1.537	1.590	1.515	•850 •950	1.777	1.791	1.615	1.588	1.581	1.
D'E	1.000	1.546	.601	1.469	1.492	1.511	1.441	1.000	1.617	•647	1.470	1.531	1.545	1.
Wing	010	000	245	• 376	•383	.417	•552	.010	•024	•353	•384	•403	•429	
\$	.010	.030 .105	•345 •297	• 351	.385	.411	.620	•030	.089	•284	• 344	•379		
	.050	•190	.334	•380	•418	•608	.708	•050	•170	•311	• 366	•396	•601 •494	
	• 100	• 270 • 333	•383 •431	• 436	• 465 • 522	.515	•791 •852	•100	•248	•355	•411	• 441	• 777	
	.150	• 440	.521	.565	.594	•660	.921	•150	.414	.480	•536	•572	•630	
	.200	.504	.601	•623	•664	.740	• 993	•200	•476	•563	•593	•640	•719	
	• 250	•570	•659	•690	•733	.803 .853	1.022	•250	•544	•622 •689	.660 .721	• 708 • 754	•772 •829	1.
	•300 •350	•653 •745	•725 •789	•753 •801	.833	.905	1.075	•350	•719	.754	.771	.811	.886	1.
rer	.400	.801	.875	.886	.871	•947	1.106	.400	• 769	.838	.857	.856	• 934	10
Lower	• 450	.875	.877	. 895	• 926	•987	1.133	•450	.845 .876	.846 .918	.870 .932	•910 •950	.971 1.007	1.1
H	•500	.905 .910	.942 .976	• 958	.961 .981	1.021	1.156	•500	.886	.949	.940	.969	1.017	1.1
	.540	.937	1.120	1.033	1.040	1.090	1.176	•540	•908	1.099	1.009	1.026	1.076	1.1
	.710	1.116	1.276	1.180	1.191	1.199	1.189	•710	1.100	1.268	1.164	1.199	1.203	1.1
	•740	1.126	1.139	1.082	1.123	1.213	1.229	•740	1.120	1.152	1.151	1.143	1.187	1.1
	.780	1.169	1.166	1.147	1.143	1.185	1.210	•780	1.158	1.166	1.138	1.156	1.189	1.1
	.800	1.148	1.150	1.168	1.155	1.190	1.222	•800	1.139	1.149	1.156	1.166	1.200	1.2
	•850 •900	1.171	1.229	1.215	1.186	1.221	1.232	•850 •900	1.167	1.302	1.276	1.261	1.289	1.2
	.950	1.311	1.352	1.355	1.305	1.343	1.317	•950	1.336	1.374	1.358	1.336	1.365	1.1
	•560	1.831	1.836	1.868				•560	1.802	1.820	1.838			
		1.825	1.840	1.884	1.864	1.810	1.608	•580	1.802	1.820	1.853	1.848	1.811	1.
ber	.600	1.816	1.844	1.893	1.874	1.833	1.620	•600	1.785	1.824	1.860	1.859	1.848	1.
Up)	•620 •640	1.808	1.845	1.894	1.872	1.853	1.631	•640	1.771	1.824	1.851	1.835	1.846	1.
ace	•660	1.795	1.845		1.853	1.866	1.667	•660	1.768	1.826		1.822	1.831	1.
rfs	•680	1.785	1.857	1.872	1.841	1.850	1.791	•680	1.756	1.828	1.834	1.813	1.813	1.
surface: Upper	•690	1.784	1.849	1.872	1.828	1.838	1.828	•690	1.760	1.831	1.032	1.015	1002	
Spoiler Lower	.560		1.758	1.601	1.400	1 505	1.444	•560		1.746	1.589	1,525	1.531	1.
od	•580		1.766	1.609	1.493	1.505	1.444	•580		1.755	1.601	1.536	1.544	1.
S	.620		1.776	1.620	1,515	1.522	1.496	•620		1.764	1.608	1.546	1.549	1.
20	.640		1.777	1.611	1.506	1.509	1.499	•640		1.764	1.598	1.531	1.537	1.
	•660		1.788	1.608	1.492	1.500	1.488	•660		1.775	1.599	1.522	1.528	1.
	. 690		1.804	1.623	1.500	1.522	1.473	•690		1.784	1.611	1.531	1.548	1.
	•560		1.756	1.592	1.472	1.484	1.415	•560		1.743	1.581	1.506	1.512	1.
-			1.763	1.601	1.482	1.494	1.420	•580		1.750	1.588	1.515	1.525	1.
er	•600 •620		1.768	1.614	1.502	1.509	1.437	•600		1.758	1.602	1.536	1.549	1.
Jpr	•640		1.786	1.640	1.543	1.542	1.476	•640		1.772	1.626	1.569	1.566	1.
fac	.660		1.789	1.652	1.534	1.539	1.461	•660		1.775	1.636	1.562	1.564	1.
surface: Upper	•680		1.789 1.795	1.657	1.520	1.530	1.431	•680 •688		1.770	1.640	1.552	1.556	1.
or s	.008													1
Deflector	•560	1.035	974	1.014	1.014	1.059	1.148	.560 .580	1.005	.952 .970	.991 .967	1.010	1.052	1.
efl	.600	.992	1.035	1.033	1.054	1.120	1.174	•600	•965	1.014	1.012	1.048	1.116	1.
Def Lower	•620 •640	1.010	1.054	1.038	1.061	1.099	1.170	•620	•987 1•003	1.037	1.024	1.065	1.127	1.
Ľ	•660	1.075	1.072	1.093	1.067	1.125	1.249	•660	1.048	1.059	1.076	1.069	1.120	1.
	.680	1.154	1.120	1.111	1.150	1.135	1.221	•680	1.136	1.107	1.092	1.153	1.135	1.1
		1.149	1.108	1.095	1.139	1.121	1.167							

TABLE  $^{9}$  .- PRESSURE COEFFICIENTS - Concluded  $\left[\delta_{S}=^{-0*100}c;\,\delta_{d}=^{-0*00000c}\right]$ 

 $\alpha = 23^{\circ}$ 

	,		Pressure	coefficien	t Cp at	$\frac{y}{b/2} = -$	-	,	Pr	essure (	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
er	.000 .010 .030 .050 .075 .100 .150 .200 .250 .300 .350 .400	1.125 1.792 1.785 1.787 1.788 1.791 1.796 1.802 1.809 1.814 1.817 1.824	1 • 442 1 • 808 1 • 805 1 • 806 1 • 809 1 • 812 1 • 816 1 • 821 1 • 823 1 • 823 1 • 831	1.272 1.793 1.785 1.781 1.783 1.779 1.783 1.790 1.796 1.809 1.831	1.813 1.704 1.702 1.702 1.706 1.705 1.705 1.705 1.708 1.721 1.743 1.784	1.492 1.666 1.662 1.667 1.666 1.664 1.677 1.677 1.683 1.695 1.730	1.547 1.536 1.538 1.543 1.552 1.558 1.567 1.568 1.576 1.570 1.560	.000 .010 .030 .050 .075 .100 .150 .200 .250 .300 .350						
Surface: Upper		1 · 82 · 82 · 82 · 82 · 82 · 82 · 82 · 8	1 • 8 3 4 1 • 8 3 4 1 • 8 3 5 1 • 8 3 4 1 • 7 9 1 1 • 7 9 2 1 • 7 9 8 1 • 8 0 5 1 • 8 1 1 • 8 0 6 1 • 6 9 2	1 • 855 1 • 865 1 • 865 1 • 862 1 • 849 1 • 643 1 • 660 1 • 664 1 • 667 1 • 674 1 • 635 1 • 486	1.837 1.848 1.837 1.807 1.542 1.546 1.559 1.570 1.579 1.556 1.556 1.551 1.537	1.776 1.800 1.800 1.769 1.553 1.559 1.571 1.581 1.592 1.598 1.615 1.580 1.551	1.557 1.5564 1.573 1.585 1.478 1.477 1.4484 1.493 1.497 1.503 1.508 1.485 1.534	.450 .500 .520 .538 .710 .720 .740 .760 .8800 .850 .950						
Wing	.010 .030 .050 .075 .100 .250 .250 .350 .450 .450 .500 .520 .710 .740 .740 .780 .880 .850 .950	.023 .078 .158 .238 .298 .402 .459 .525 .612 .702 .832 .863 .871 .898 1.096 1.108 1.119 1.157 1.141 1.175 1.251	.370 .282 .302 .3344 .381 .466, .541 .601 .670 .733 .814 .833 .903 .937 1.081 1.263 1.127 1.161 1.147 1.237 1.392	.399 .340 .349 .393 .434 .513 .557 .632 .697 .748 .837 .916 .924 .991 .1155 .1064 1.147 1.135 1.156 1.211 1.231	.406 .365 .381 .423 .469 .548 .616 .682 .730 .783 .834 .892 .929 .942 1.011 1.183 1.111 1.135 1.140 1.152 1.190 1.256 1.227	.437 .594 .479 .613 .698 .756 .817 .867 .911 .958 .993 1.004 1.063 1.188 1.205 1.179 1.179 1.225 1.285	.561 .589 .668 .745 .799 .887 .979 1.015 1.071 1.100 1.132 1.154 1.180 1.215 1.190 1.225 1.128 1.219 1.219	*010 *030 *050 *075 *100 *200 *350 *400 *520 *520 *520 *710 *740 *760 *880 *890 *950						
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.831 1.827 1.815 1.806 1.791 1.787 1.775	1.833 1.838 1.838 1.842 1.844 1.843 1.844 1.842	1.841 1.861 1.863 1.859 1.851 1.831	1.820 1.832 1.824 1.809 1.796 1.783	1.802 1.826 1.841 1.831 1.813 1.791	1.627 1.643 1.662 1.680 1.729 1.854 1.882	•560 •580 •600 •620 •640 •660 •680 •690						
Spoiler	•560 •580 •600 •620 •640 •660 •680 •690		1.761 1.772 1.778 1.780 1.778 1.789 1.792	1.608 1.614 1.620 1.626 1.618 1.617 1.618	1.523 1.536 1.544 1.533 1.526 1.520 1.530	1.538 1.551 1.556 1.543 1.537 1.535 1.556	1.449 1.481 1.499 1.501 1.488 1.467 1.476	•560 •580 •600 •620 •640 •660 •680 •690						
r surface: Upper	•560 •580 •600 •620 •640 •660 •680 •688		1.759 1.765 1.770 1.779 1.783 1.788 1.788	1.599 1.604 1.618 1.629 1.642 1.652 1.655 1.643	1.509 1.514 1.530 1.550 1.571 1.559 1.550 1.544	1.519 1.528 1.544 1.555 1.568 1.563 1.557	1.426 1.434 1.449 1.467 1.467 1.467 1.463	•560 •580 •600 •620 •640 •660 •680						
Deflector	•680	.996 .949 .947 .978 .998 1.043 1.130	.937 .954 1.002 1.027 1.055 1.049 1.103 1.093	• 977 • 956 • 997 1•005 1•012 1•067 1•084 1•072	•984 1•014 1•023 1•038 1•048 1•054 1•135	1.037 1.108 1.096 1.082 1.113 1.108 1.125 1.107	1.135 1.141 1.159 1.160 1.176 1.238 1.214 1.153	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 688						

TABLE 10 .- PRESSURE COEFFICIENTS

 $\delta_{s} = -0.120c; \delta_{d} = -0.00000c$ 

				x = -4°		٢٥	2 45				$\alpha = -2^{\circ}$			
	x/c		Pressure	coefficier	it Cp a	t $\frac{y}{b/2} = -$	-	x/c	P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	9
	Α/ 0	0.15	0.30	0.50	0.70	0.85	0.97	Α/ C	0.15	0.30	0.50	0.70	0.85	0.9
	•000	1.690	2 050	2 (72	2.411	1.809	1.128	•000	• 445	1.471	3.139	2.533	1.904	1.0
	.010	•606	2 • 859	2.673	•369	• 413	•477	.010	.867	.695	•503	.416	•412	04
	•030	• 759	•661	•554	•500	•528	•651	• 030	• 936	.832	.665	•576	•583	. 6
	050	.823	•726	•625	•559	•588	•740	•050	• 958 • 948	. 866	• 725	•637	•645	
	•075	.827 .856	•772 •802	•667	•613	•641	•793 •837	•100	• 954	• 886 • 903	•754	•683 •715	•696 •728	. 8
	.150	.891	.821	•721	.684	•723	.875	.150	.978	.901	•779	•735	•767	. 8
	.200	.899	.821	•720	.692	•735	.886	• 200	•970	.890	•765	•728	.766	. 8
	•250	• 923	.806	.695	.680	•731	.890	• 250	•981	. 860	• 737	•708	•755	
	•300 •350	•901 •894	•775 •718	•671	•659	•719	.886 .869	•300	• 956	• 820 • 752	•695 •631	•682 •629	•738 •704	. 8
er	•400	.881	.614	•537	.541	.631	.840	.400	•924	.642	•548	•551	•638	
Upper	•450	.856	• 445	•445	• 467	.557	.815	• 450	.891	. 469	• 443	•470	.551	
7	•500	.850	•370	•434		•518	•796	•500	•874	•391	•419		•509	•
	•520 •538	•842 •883	•437	•441	•445	•527	•810 •840	•520	•859 •903	• 444	• 425	•449 •470	•519 •569	
	•710	1.489	1.750	1.691	1.417	1.420	1.316	.710	1.485	1.725	1.650	1.418	1.419	102
	•720	1.524	1.730	1.668	1.411	1.420	1.299	•720	1.527	1.717	1.649	1.417	1.422	10
	•740	1.564	1.750	1.696	1.428	1.427	1.312	• 740	1.562	1.728	1.656	1.428	1.426	I .
	•760	1.569	1.758	1.700	1.442	1.429	1.321	• 760	1.568	1.738	1.656	1.436	1.428	10
	•780	1.608	1.766	1.703	1.453	1.429	1.329	• 780	1.611	1.750	1.655	1 0 4 4 4	1.426	10
	·800 •850	1.568	1.777	1.703	1.468	1.429	1.319	.800 .850	1.589	1.761	1.657	1.451	1.432	10
	950	1.365	1.625	1.543	1.398	1.385	1.153	950	1.437	1.679	1.598	1.451	1.422	1.
	1.000	1.179	.690	•792	1.322	1.338	.973	1.000	1.287	•773	• 942	1.404	1.392	10
	.010	1.568	1.934	2.126	2.307	1.906	1.612	•010	1.224	1.487	1 . 845	2.183	2.050	10
	•030	1.339	1.506	1.998	2.294	1.776	1.566	• 050	1.132	1.302	1.625	1.854	1.789	10
	.075	1.229	1.442	1.768	2.207	1.843	1.578	075	1.100	1.273	1.498	1.568	1.662	1.
	•100	1.227	1.412	1.650	2.063		1.506	.100	1.112	1.271	1.418	1.541		10
	•150	1.276	1.426	1.558	1.747	1.697	1.410	• 150	1.189	1.314	1.416	1.432	1 . 459	1.
	•200	1.228	1.434	1.470	1.553	1.610	1.321	• 200	1.149	1.340	1.351	1.398	1.411	10
	•250	1.235	1.413	1.457	1.459	1.530	1.301	• 250	1.165	1.333	1.365	1.388	1.368	10
.	•300	1.326	1.427	1.431	1.397	1.429	1.290	• 350	1.314	1.382	1.362	1.349	1.334	1.
rer	•400	1.394	1.475	1.472	1.379	1.395	1.314	.400	1.349	1.424	1.415	1.337	1.325	1.
Lower	.450	1.423	1.402	1.405	1.347	1.371	1.289	• 450	1.389	1.361	1.360	1.341	1.325	1.
-	.500	1.407	1.426	1.420	1.362	1.355	1.357	•500	1.374	1.394	1.382	1.330	1.316	1.0
	•520	1.400	1.439	1.412	1.363	1.351	1.371	• 520	1.366	1.407	1.370	1.337	1.309	1.
	•540	1.409	1.576	1.469	1.398	1.360	1.362	•540	1.378	1.557	1.425	1.378	1.344	10
	•710	1.415	1.526	1.453	1.424	1.357	1.360	•710	1.407	1.365	1.301	1.392	1.359	10
	.760	1.372	1.369	1.385	1.332	1.336	1.367	•760	1.373	1.368	1.361	1.311	1.321	1.
	•780	1.375	1.356	1.354	1.326	1.335	1.369	.780	1.386	1.355	1.337	1.311	1.321	1.
	.800	1.352	1.323	1.357	1.322	1.334	1.378	.800	1.355	1.322	1.337	1.307	1.317	1.
	.850	1.313	1.332	1.356	1.323	1.329	1.350	.850	1.325	1.346	1.345	1.307	1.321	10
	•900	1.294	1.325	1.380	1.340	1.346	1.337	• 900 • 950	1.311	1.347	1.403	1.323	1.335	10
	•560	•962	•394	•441				.560	- 970	.380	-429			
2	•580	1.020	• 246	•415	.439	•526	.822	• 560 • 580	1.025	•389	•428	0445	.525	
8	•600	1.117	• 21.5	•391	• 421	•503	•769	•600	1.119	• 208	• 382	•418	•500	
dh	•620 •640	1.218	• 312 • 435	• 437 • 527	•430	•543	•760	• 620 • 640	1.219	• 442	•433 •532	•431 •521	•540	
	•660	1.426	.601	.521	.608	•755	.831	• 660	1.419	•608	. 222	0609	•751	
	•680	1.453	.881	•932	.802	. 926	.911	.680	1.448	. 885	.934	.808	.927	
Upper	•690	1.490	1.101	1.177	•900	1.138	1.013	•690	1.487	1.100	1.168	0967	1.145	1.
	•560		1.789	1.639				• 560		1.760	1.599			
er	•580		1.786	1.655	1.406	1.406	1.289	• 580				1.410	1.411	1.
ve.	•600 •620		1.789	1.664	1.417	1.414	1.307	•620		1.757	1.617	10417	1.413	1.
Lower	.640		1.784	1.666	1.393	1.406	1.309	.640		1.754	1.619	1.396	1.406	1.
-	•660		1.791	1.658	1.382	1.405	1.306	.660		1.762	1.626	1.387	1.408	1.
	•680			1.662	1.374	1.402	1.301	.680			1.616	1.37.6	1.405	1.
	•690		1.754	1.664	1.369	1.402	1.284	•690		1.761	1.627	1.377	1.405	1.
	•560		1.782	1.613	1.355	1.360	1.262	• 560		1.764	1.583	1.362	1.372	10
per	•580		1.786	1.633	1.377	1.393	1.264	•580		1.763	1.600	1.388	1.396	10
do	.620		1.790	1.658	1.448	1.420	1.290	.620		1.761	1.630	1.434	1.415	10
Upi	•640		1.796	1.683	1.467	1 . 425	1.299	.640		1.769	1.631	1.451	1.421	1.
	•660		1.790	1.686	1.444	1.420	1.292	.660		1.761	1.636	1 . 438	1.424	1.
	•680 •688		1.777	1.702	1.419	1.410	1.236	• 680 • 688		1.744	1.655	10414	10411	1.
		1-496			1.270				1.466	1.200				1
	•560	1.486	1.425	1.440	1:378	1.348	1:376	:560	1.385	1:388	1:348	1:352	1:357	1:
er	•600	1.403	1.418	1.407	1.374	1.357	1.378	•600	1.377	1.393	1.365	1.343	1.338	1.
Lower		1.402	1.420	1.386	1.365	1.342	1.363	• 620 • 640	1.377	1.397	1.353	1.336	1.317	10
山		1.393	1.425	1.374	1.356	1.345	1.419	• 660	1.400	1.404	1.378	10331	1.323	1.
	.680	1.453	1.422	1.402	1.404	1.344	1.389	.680	1.455	1.409	1.378	1.377	1.333	10
1	.688	1.163	1.406	1.378	1.382	1.332	1.347		1.154	1.392	1.357	1.363	1.317	10
					-									

TABLE 10 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.120 \text{ c}; \delta_{d} = -0.00000 \text{ c}\right]$ 

α = 00

a = 20

1	1,		Pressure	coefficien	t Cp at	$\frac{y}{b/2} = -$	-	/0	F	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0,85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	.000	• 298	• 547	1.240	1.302	1.500	•577	.000	•272	• 365	•193	.458	.841	.379
	.010	1.177	1.107	•796	•571	• 490	•574	•010	1.581	1.578	1.224	• 921	•789 •888	•750 •845
	.030	1.119	1.067	.863	•7.4	•700	•742 •798	• 030 • 050	1.320	1.323	1.104	• 946	•901	.870
	•050	1.127	1.040	•876	•764	• 753	.827	• 075	1.188	1.172	1.014	930	.912	.867
	.075	1.065	1.028	.879 .879	•790 •803	•784 •806	.851	.100	1.170	1.152	1.000	919	.900	.879
	•100 •150	1.067	• 987	.856	.811	.823	.866	.150	1.149	1.081	• 941	.892	.895	.871
	•200	1.045	953	.825	.790	.808	.859	.200	1.111	1.029	.882	.855	.862	.855
	•250	1.045	.910	.782	.755	•788	.847	. 250	1.099	• 964	.818	• 795	•817	.837
	.300	1.011	.862	•726	•709	.761	.839	• 300	1.059	• 911	•750	• 747	• 777	.811
	.350	• 989	.781	•654	•658	• 715	.812	• 350	1.024	.808 .650	• 650 • 566	•679 •586	•729 •634	•790
Upper	•400	• 960	•644	•555	• 568	.641	•776	• 400 • 450	•990 •946	• 524	• 552	.507	•539	.687
d	•450	•920	• 461	•452	• 479	• 546 • 508	•738 •726	•500	• 913	•563	.563		•519	.704
	•500	•899 •886	• 462 • 551	• 441 • 447	•468	•507	.747	•520	.900	.689	.572	.503	.527	•742
	•520 •538	•923	•540	•456	. 485	.545	.769	•538	. 935	.624	.571	.505	.566	.759
	•710	1.485	1.719	1.616	1.438	1.421	1.273	•710	1.477	1.708	1.602	1.441	1.429	1.277
	.720	1.529	1.713	1.615	1.446	1.424	1.277	•720	1.517	1.705	1.606	1.439	1.430	1.280
- }	.740	1.563	1.723	1.618	1.450	1 . 424	1.280	.740	1.551	1.716	1.610	1 . 446	1.433	1.285
	.760	1.572	1.733	1.620	1 • 449	1.426	1.284	• 760	1.560	1.727	1.611	1 • 447	1.433	1.286
	.780	1.610	1.746	1.621	1.460	1.425	1.292	.780	1.606	1.739	1.611	1.451	1.434	1.297
	.800	1.598	1.759	1.621	1.465	1.427	1.293	.850	1.619	1.765	1.614	1.440	1.443	1.305
	.850	1.612	1.770	1.623	1.411	1.432	1.259	. 950	1.506	1.694	1.592	1.471	1.436	1.291
	.950 1.000	1 • 487 1 • 337	•910	1.115	1.452	1.409	1.160	1.000	1.371	1.007	1.235	1.447	1.421	1.215
)	.010	• 948	1.087	1.342	1.704	1.807	1.622	.010	.690	• 772	.940	1:196	1.349	1:267
2	.030	.951	1.098	1.342	1.704		1.522	.010 .030	.690 .773	• 772 • 864	1.010	1.160		1.190
	.050	•970	1.099	1.239	1.412	1.542	1.242	• 050	.820	• 917	1.041	1.151	1.330	1.120
	.075	• 986	1.117	1.293	1.350	1.340	1.181	• 075	.862	• 964	1.120	1.141	1 • 1 4 4	1.089
	.100	1.011	1.136	1.225	1.367		1.147	• 100 • 150	•901	1.014	1.163	1.168	1.149	1.036
	.150	1.100	1.207	1.278	1.310	1.269	1.098	. 200	• 993 • 990	1.160	1.140	1.198	1.200	1.045
- 1	•200	1.073	1.247	1.230	1.312	1.289	1.096	• 250	1.019	1.179	1.140	1.228	1.196	1.036
	• 250	1.098	1.256	1.267	1.323	1.270	1.077	.300	1.132	1.221	1.231	1.219	1.211	1.030
	• 300	1.210	1.288	1.279	1.308	1.273	1.078	.350	1.198	1.257	1.224	1.234	1.223	1.031
H	• 350	1.300	1.374	1.351	1.303	1.270	1.088	. 400	1.238	1.317	1.298	1.235	1.230	1.043
Lower	•450	1.345	1.316	1.297	1.320	1.274	1.112	. 450	1.291	1.261	1.256	1.265	1.240	1.057
3	•500	1.334	1.348	1.328	1.309	1.269	1.112	.500	1.281	1.307	1.292	1.260	1.240	1.061
	•520	1.324	1.372	1.320	1.319	1.266	1.128	•520	1.274	1.332	1.286	1.267	1.237	1.072
- 1	•540	1.343	1.525	1.382	1.368	1.316	1.157	.540	1.294	1.491	1.349	1.324	1.294	1.103
	•710	1.395	1.522	1.401	1.391	1.341	1.271	•710	1.367	1.505	1.384	1.369	1.332	1.238
	•740	1.369	1.356	1.277	1.317	1.353	1.420	• 740	1.342	1.335	1.258	1.288	1.283	1.230
	•760	1.361	1.362	1.339	1.317	1.297	1.261	• 760 • 780	1.340	1.342	1.301	1.282	1.285	1.247
	•780	1.375	1.354	1.312	1.307	1.301	1.288	.800	1.325	1.306	1.307	1.278	1.282	1.252
	.800	1.346	1.321	1.320	1.307	1.302	1.288	.850	1.308	1.345	1.321	1.286	1.288	1.250
	.850	1.322	1.363	1.358	1.330	1.319	1.293	•900	1.314	1.363	1.353	1.310	1.310	1.259
	•900 •950	1.310	1.397	1.402	1.359	1.359	1.277	• 950	1.319	1 • 404	1.404	1.347	1.360	1.275
	-560	• 988	.465	•449				• 560 • 580	1.001	• 549	•560 •543			70.
	•560 •580	1.044	• 465 • 372	•422	.466	.500	•748					• 476	•530	•734
er	•600	1.136	• 254	.399	• 443	• 483	.688	• 600	1.258	• 292 • 294	•510 •498	• 445	•490 •510	.637
pper	.620	1.232	•301	•432	• 451	•523	•689	• 620 • 640	1.322	• 405	• 543	•500	•594	0696
; P	•640	1.296	• 421	•525	•520	.618	•734 •787	.660	1.428	• 573	. 545	.608	•726	•771
8	•660	1 • 424	•593 •882	•917	.619 .825	•742 •931	.885	.680	1.456	. 866	1.038	.817	.920	.881
smrace.	•680 •690	1.455	1.097	1.151	1.004	1.151	1.003	•690	1.485	1.084	1.129	1.012	1.153	1.005
4	E ( 0		1.743	1.570				•560		1.736	1.566			
100	•560		1.745	1.580	1.433	1 • 417	1.270	• 580		1.734	1.566	1.440	1.432	1.26
L M	•600		1.744	1.585	1.435	1.417	1.277	• 600		1.732	1.578	1.440	1.429	1.279
Lower	.620		1.744	1.590	1.431	1.416	1.279	620		1.732	1.581	1.438	1:425	1.26
9	640		1.739	1.584	1.417	1.409	1.269	• 640		1.734	1.582	1.420	1.421	1.26
Н	•660		1.748	1.591	1.411	1.412	1.269	•660 •680		10/34	1.574	1.416	1.425	1.26
	•680 •690		1.751	1.585	1.404	1.411	1.264	.690		1.738	1.583	1.416	1.425	1.26
					1 201	1 270	1 251	.560		1.737	1.554	1.397	1.396	1.25
	•560		1.749	1.551 1.574	1.394	1.379	1.251	.580		1.740	1.569	1.424	1.416	1.26
Si	•580 •600		1.744	1.584	1.438	1.413	1:272	.600		1.733	1.579	1.440	1.427	1.27
9	•620		1.747	1.599	1.454	1.416	1.277	.620		1.737	1.594	1 . 455	1.425	1.28
Jp.	•640		1.755	1.598	1.467	1.420	1.282	.640		1.746	1.594	1.463	1.430	1.28
ac	•660		1.744	1.608	1.454	1.419	1.277	•660		1.732	1.600	1 . 453	1.425	1.28
Upper	•680 •688		1.727		1.438	1.411	1.263	• 680 • 688		1.708	1.606	1.443	1.424	1.26
n L														1-04
Dellector	•560	1 • 437	1.357	1.351	1.334	1.271 1.324	1.118	• 560	1:395	1.316	1.265	1.286	1.248	1.06
r E	•600	1.345	1.369	1.330	1.333	1.309	1.165	• 600	1.303	1.336	1.302	1.293	1.288	1.13
Def		1.349	1.373	1.313	1.326	1.282	1.194		1.309		1.288	1.288	1.264	1.21
6	•640		1.383		1.321	1.300	1.226	.640	1.306		1.326	1.282	1.281	1.28
	.660	1.380	1.358	1.348	1.311	1.298	1.317		1.411			1.343		1.30
Ц				1.349	1.374	1.305	1.341			10209		2077		
I	.680	1.446		1.330	1.362	1.286	1.253	- 688	1.122	1.357	1.309	1.334	1.266	1.22

TABLE 10 .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_S = -0 * 120 \, \text{c}; \; \delta_d = -0 * 00000 \, \text{c}\right]$ 

				, = 4 0		77			-		α = 6	C <sub>n</sub> at	ν _	
	x/c		Pressure	coefficien	t C <sub>p</sub> at	$\frac{y}{b/2} = -$		x/c	P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	A/ C	0.15	0.30	0.50	0.70	0.85	0.97		0.15	0.30	0.50	0.70	0.85	0.9
	•000	•542	.340	•238	• 425	•358	•325	.000	.918	.622	• 326 1•565	•603	•320	. 4
	.010	2.166	2.183	1.639	1.454	1.388	1.023	•010	3.588	2 . 646	1.565	1.428	1.438	1.2
	•030	1.629	1.732	1.413	1.211	1.000	•982 •949	.030 .050	1.752	2.337	1.498	1.320	1.257	1.0
	•050	1.498	1.481	1.307	1.08	1.098	.918	.075	1.503	1.539	1.436	1.260	1.210	.9
	.075	1.352	1.351	1.148	1.039	1.020	904	.100	1.447	1.425	1.357	1.202	1.152	. 9
	•150	1.259	1.187	1.043	.974	• 977	.876	.150	1.371	1.291	1.223	1.112	1.080	.8
	.200	1.198	1.113	•962	.909	.913	.845	•200	1.294	1.220	1.117	1.035	1.004	.8
	.250	1.177	1.045	.886	.830	.851	.820	• 250	1.255	1.153	1.031	.969	•940	.8
	.300	1.114	.967	.812	.755	.785	•786	• 300	1.186	1.080	• 955	.925 .877	.888 .836	•8
ы	•350	1.083	.880	•724	•678	.707	•745	• 350 • 400	1.098	• 976 • 868	.893 .834	.845	•795	.7
be	•400	1.041	• 754	•652	•626	.646 .631	.698 .687	• 450	1.045	. 767	.782	.816	.776	.7
Upper	•450	•987 •950	.621 .559	.618 .617	.614	.635	.708	.500	1.019	.700	.779		.755	.7
	•520	.935	•584	•630	.627	.645	.739	•520	1.001	· 682	.800	.806	6749	• 7
	.538	.962	.563	.638	.622	.666	.750	.538	1.030	.661	•777	0796	•774	.7
	.710	1.450	1.694	1.593	1.444	1.418	1.269	.710	1.453	1.685	1.568	1.433	1.405	1.3
	.720	1.493	1.693	1.600	1.446	1.420	1.266	.720	1.495	1.685	1.572	1.429	1.406	1.2
	•740	1.524	1.700	1.600	1.448	1.421	1,273	•740	1.531	1 . 691	1.573	1.436	1.416	1 . 3
	.760	1.534	1.710	1.600	1.450	1.426	1.277	•760 •780	1.543	1.704	1.581	1.433	1.427	1.3
	•780	1.582	1.721	1.606	1.452	1.431	1.284	.800	1.577	1.730	1.593	1.445	1.437	1.3
	.850	1.575	1.732	1.605	1.456	1.432	1.297	.850	1.603	1.753	1.604	1.451	1.451	1 . 3
	.850	1.610	1.710	1.589	1.469	1.436	1.305	.950	1.503	1.697	1.579		1.447	103
	.950 1.000	1.408	1.087	1.314	1.456	1.421	1.251	1.000	1.389	1.159	1.343	1.441	1.416	1 . 2
	•010	479	.573	.677	.808	.877	.966	.010	.326	.448	•556	.634 .750	.703	
	.030	.610	.698	.811	903		1.010	• 030	.476	. 566	.689			
	.050	.686	.774	.875	. 944	.958	●986	• 050	.567	• 656	•756	.804	• 938	0 9
	.075	.747	.849	•948	.978	.960	۰989	• 075	.639	• 732	.836	e 851	.869	0 9
	.100	• 796	.899	•966	1.037		•996	•100	.698	• 792	.870 .960	• 920 • 954	0954	
	•150	•900	1.016	1.068	1.059	1.032	•977	•150	.811 .836	• 900 • 984	.968	1.010	1.032	
	•200	•910	1.087	1.053	1.106	1.115	•992 •988	• 250	.883	1.026	1.035	1.066	1.057	
	•250	.950 1.065	1.108	1.164	1.150	1.139	.986	.300	• 996	1.081	1.086	1.075	1.084	
	•350	1.128	1.201	1.164	1.178	1.160	•980	.350.	1.065	1.129	1.095	1.106	1.115	
er	.400	1.177	1.262	1.250	1.184	1.178	•988	.400	1.114	1.198	1.182	1.122	1.133	
Lower	.450	1.232	1.219	1.217	1.216	1.195	1.001	• 450	1.175	1.154	1.152	1.157	1.155	• 9
1	.500	1.231	1.267	1.257	1.218	1.199	.998	•500	1.177	1.209	1.198	1:166	1.163	
	.520	1.228	1.294	1.249	1.232	1.200	1.012	•520	1.175	1 . 234	1.191	1.180	1.160	1.00
	.540	1.252	1.451	1.318	1.291	1.260	1.042	• 540	1.198	1 . 395	1.320	1.235	1.223	1.
	.710	1.337	1.486	1.371	1.349	1.305	1.191	•710	1.296	1.439	1.205	1.314	1.292	10
	•740	1.318	1.323	1.248	1.267	1.318	1.318	•740	1.282	1.289	1.271	1.236	1.234	10
	•760	1.317	1.332	1.316	1.272	1.259	1.192	.780	1.319	1.288	1.250	1.231	1.234	10
	.800	1.348	1.328	1.298	1.267	1.262	1.191	.800	1.272	1.258	1.255	1.237	1.234	1.
	.850	1.295	1.344	1.317	1.277	1.272	1.191	.850	1.260	1.305	1.277	1.248	1.245	1.
	900	1.312	1.366	1.351	1.297	1.294	1.206	.900	1.275	1.330	1.311	1.274	1.270	10
	.950	1.328	1.415	1.406	1.345	1.348	1.249	• 950	1.300	1.378	1.370	1.320	1.329	10
	•560	1.015	•506	.630				.560	1.082	.618	.768			
	.580	1.067	.443	•610	.605	.645	.765	•580	1.124	• 566	•745	•777	•732	
le I	.600	1.147	.388	•581	•587	.626	.674	•600	1.195	•537	• 724	.768	0713	:
Upper	•620	1.234	•405	•589	•558	607	•611	•620	1.270	•545 •581	•737 •765	•765 •782	o714	
2	•640	1.293	•480	•628	.567	•625 •708	.637 .716	•640	1.422	.685	0103	.822	.802	
D	•660	1.401	.627 .895	•932	.626 .810	.884	.846	.680	1.437	.904	1.015	. 945	0934	
	•690	1.454	1.104	1.146	1.009	1.107	.983	.690	1.466	1.099	1.192	1.059	1.121	
	.540		1.717	1.560				• 560		1.705	1.538			
ar	•560		1.714	1.560	1.439	1.415	1.257	•580		1.704	1.545	1.422	1.396	1.
H	.600		1.711	1.570	1.444	1.417	1.264	•600		1.697	1.545	1.428	1.403	1.
we	•620		1.709	1.573	1.438	1.419	1.267	•620		1.694	1.547	1.422	1.399	10
Lower	•640		1.707	1.566	1.428	1.411	1.256	0640		1.693	1.541	1.412	1.392	1.
Н	•660		1.717	1.572	1.425	1.410	1.258	•660		1.702	1.541	1.411	1.386	1.
	•680 •690		1.726	1.564	1.421	1.409	1.255	•680 •690		1.712	1.549	1.413	1.391	1.
										1.700	1,510	1.202	1.366	1.
	•560 •580		1.717	1.547	1.409	1.393	1.238	•560 •580		1.700	1.519	1.414	1.385	10
per	•600		1.713	1.573	1.441	1.414	1.256	•600		1.695	1.549	1.428	1.397	10
dc	.620		1.721	1.582	1.448	1.420	1.266	•620		1.703	1.562	1.435	1.415	10
D	•640		1.721	1.582	1.456	1.421	1.271	• 640		1.701	1.565	1.443	1.418	1.
	•660		1.704	1.588	1.452	1.419	1.264	.660 .680		1.688	1.579	1.431	1.404	1.
Idu	.680 .688		1.685	1.601	1.445	1.413	1.250	• 688 • 688		1.663	1.567	1.425	1.401	1.
								.560	1.298	1,227	1.236	1.204	1.178	
	•560 •580	1.350	1.279	1.290	1.251	1.215	1.014	•580	1.225	1.227	1.182	1.217	1.250	1.
1	•600		1.306	1.276	1.268	1.262	1.089	.600	1.220	1 . 254	1.223	1.217	1.227	1.
ower	.620		1.318	1.266	1.266	1.234	1.128	•620	1.227	1.267	1.215	1.218	1.204	1.
	.640	1.276	1.330	1.259	1.263	1.252	1.155	.640		1 . 281	1.207	1.218	1.220	10
0			1.306	1.307	1.254	1.248	1.219	.660	1.269	1.261	1.258	1.208	1.221	1.
Lor	•660	1.311	10000											
Lor	.680		1.349	1.315	1.325	1.262	1.251	.680 .688	1.336	1.301	1.267	1.282	1.234	10

TABLE  $^{10}$  .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{_{\rm S}}=^{-0*120}\,c\,;\;\delta_{_{\rm d}}=^{-0*00000}c\right]$ 

a = 80

 $\alpha = 10^{\circ}$ 

	,	]	Pressure	coefficien	t C <sub>p</sub> at	$\frac{y}{b/2} = -$	-	/-	P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
er.	.000 .010 .030 .050 .075 .100 .150 .200 .250 .300	1.396 4.208 3.041 2.073 1.713 1.637 1.525 1.440 1.399 1.328 1.283	.682 2.189 2.109 2.060 2.025 1.994 1.968 1.855 1.684 1.506	.434 1.576 1.573 1.580 1.584 1.573 1.540 1.5507 1.466 1.415	.802 1.383 1.396 1.402 1.398 1.375 1.337 1.301 1.274 1.258 1.243	. 418 1.278 1.266 1.259 1.244 1.232 1.213 1.196 1.197 1.187	•777 1•460 1•365 1•275 1•130 1•070 1•022 •997 •972 •952	.000 .010 .030 .050 .075 .100 .200 .250 .350 .400	1.528 4.043 3.691 3.285 2.544 2.088 1.721 1.571 1.493 1.412 1.361 1.313	1.035 2.316 2.268 2.251 2.238 2.223 2.260 2.215 2.094 1.913 1.695 1.480	.658 1.751 1.744 1.749 1.744 1.737 1.729 1.740 1.755 1.756 1.7740	.989 1.428 1.427 1.436 1.440 1.439 1.455 1.470 1.494 1.514 1.533 1.522	*657 1*303 1*301 1*302 1*305 1*305 1*325 1*375 1*405 1*426 1*426	1.027 1.450 1.471 1.330 1.232 1.219 1.214 1.213 1.205 1.199 1.190 1.162
g Surface: Upper	.400 .450 .500 .520 .538 .710 .720 .740 .760 .800 .850 .950	1.241 1.176 1.128 1.099 1.112 1.462 1.501 1.540 1.605 1.596 1.604 1.469 1.359	1.170 .996 .832 .865 .814 1.689 1.700 1.709 1.714 1.701 1.590 1.190	1 • 282 1 • 234 1 • 182 1 • 147 1 • 109 1 • 549 1 • 561 1 • 573 1 • 582 1 • 603 1 • 539 1 • 364	1.230 1.222 1.153 1.473 1.473 1.472 1.478 1.488 1.488 1.499 1.488 1.503 1.438	1.178 1.172 1.153 1.153 1.144 1.130 1.418 1.422 1.431 1.440 1.450 1.460 1.485 1.454	.898 .852 .765 .770 .783 1.297 1.297 1.309 1.318 1.350 1.356 1.304	. 400 . 450 . 500 . 520 . 538 . 710 . 720 . 740 . 760 . 780 . 800 . 850 . 950	1.252 1.206 1.179 1.191 1.448 1.519 1.533 1.570 1.561 1.547 1.400 1.312	1 • 245 1 • 0 39 1 • 0 37 • 96 3 1 • 68 4 1 • 68 7 1 • 69 8 1 • 69 5 1 • 64 7 1 • 50 8 1 • 20 7	1 • 629 1 • 554 1 • 470 1 • 389 1 • 562 1 • 570 1 • 584 1 • 589 1 • 593 1 • 566 1 • 484 1 • 374	1.522 1.500 1.456 1.429 1.486 1.496 1.506 1.509 1.508 1.482 1.416	1 • 425 1 • 403 1 • 386 1 • 352 1 • 422 1 • 423 1 • 443 1 • 447 1 • 457 1 • 473 1 • 455	1 • 134 1 • 077 1 • 064 1 • 268 1 • 270 1 • 281 1 • 290 1 • 302 1 • 322 1 • 322
Wing Lower	.010 .030 .050 .075 .100 .150 .250 .300 .350 .400 .520 .520 .710 .740 .780 .800 .850 .900	*203 *351 *451 *451 *535 *603 *714 *758 *610 *924 1:005 1:005 1:046 1:110 1:118 1:113 1:140 1:242 1:241 1:242 1:241 1:242 1:241 1:242 1:241 1:249 1:220 1:220 1:220 1:220 1:220	.378 .478 .563 .646 .702 .805 .879 .934 .999 1.050 1.120 1.089 1.140 1.167 1.318 1.374 1.220 1.224 1.198 1.223 1.223 1.223 1.225	.440 .568 .6640 .7725 .768 .8849 .9951 1.003 1.019 1.105 1.079 1.124 1.122 1.190 1.252 1.141 1.208 1.182 1.190 1.209 1.239 1.239	.507 .623 .696 .744 .884 .886 .925 .982 1.000 1.030 1.057 1.105 1.124 1.185 1.185 1.185 1.189 1.187 1.189	*564 *804 *766 *892 *954 *986 1:018 1:046 1:077 1:110 1:097 1:110 1:101 1:123 1:251 1:189 1:185 1:203 1:225 1:225 1:228	.648 .789 .826 .875 .906 .930 .945 .951 .961 .968 .977 .005 1.014 1.040 1.105 1.105 1.115 1.124 1.132 1.147 1.211	010 030 075 100 200 200 350 400 520 520 520 740 740 760 880 990	*136 *261 *358 *448 *517 *628 *685 *747 *843 *930 *974 1:052 1:052 1:052 1:052 1:189 1:183 1:219 1:163 1:183 1:229	338 402 477 557 6614 7721 779 855 924 977 1.055 1.026 1.078 1.106 1.254 1.317 1.169 1.180 1.177 1.181 1.171 1.181 1.181 1.235	. 355 . 473 . 545 . 628 . 673 . 765 . 812 . 935 . 1040 1 025 1 072 1 072 1 132 1 205 1 098 1 164 1 142 1 152 1 169 1 199	. 410 . 528 . 603 . 654 . 727 . 794 . 856 . 905 . 943 . 977 1.004 1.045 1.046 1.133 1.225 1.148 1.154 1.156 1.158 1.173 1.208	*492 *716 *700 *832 *8395 *938 *9788 *1017 1005 1005 1008 1144 1223 1224 1177 1177 1176 1177 1177	*539 *673 *742 *809 *848 *893 *926 *942 *962 *975 *991 1:002 1:003 1:007 1:203 1:007 1:203 1:007 1:007 1:007 1:007
r surface: Upper	.560 .580 .600 .620 .640 .660	1 • 134 1 • 156 1 • 208 1 • 263 1 • 303 1 • 399 1 • 424 1 • 456	.702 .733 .704 .694 .693 .716 .898	1.097 1.117 1.105 1.088 1.058 1.127 1.225	1.138 1.133 1.118 1.116 1.131 1.183 1.201	1.112 1.101 1.103 1.108 1.133 1.179 1.258	.618 .605 .613 .644 .694 .814	.560 .580 .600 .620 .640 .660 .680	1.195 1.207 1.240 1.277 1.310 1.389 1.413 1.440	.868 .916 .866 .827 .783 .764 .899	1.373 1.440 1.456 1.440 1.376	1 • 432 1 • 438 1 • 427 1 • 418 1 • 418 1 • 419 1 • 367	1.337 1.317 1.313 1.296 1.293 1.299 1.318	.988 .965 .947 .938 .951 .986
Spoiler Lower	•560 •580 •600 •620 •640 •660 •680		1.646 1.650 1.650 1.650 1.653 1.662	1.497 1.515 1.518 1.512 1.495 1.494 1.498	1 • 457 1 • 460 1 • 459 1 • 447 1 • 448 1 • 446	1 • 412 1 • 420 1 • 424 1 • 407 1 • 402 1 • 394 1 • 403	1.256 1.268 1.278 1.271 1.266 1.263 1.258	.560 .580 .600 .620 .640 .660 .680		1.639 1.641 1.645 1.649 1.648 1.656	1.523 1.533 1.535 1.528 1.519 1.524 1.535 1.558	1.465 1.467 1.465 1.451 1.450 1.458 1.468	1.411 1.420 1.418 1.404 1.390 1.391 1.402	1 • 242 1 • 250 1 • 260 1 • 254 1 • 246 1 • 243
or surface: Upper	•560 •580 •600 •620 •640 •660 •680 •688		1.650 1.654 1.657 1.657 1.661 1.664 1.662	1.553 1.550	1 • 438 1 • 446 1 • 464 1 • 469 1 • 478 1 • 472 1 • 465 1 • 468	1.394 1.400 1.414 1.429 1.440 1.430 1.412 1.413	1.229 1.239 1.263 1.279 1.287 1.271 1.258 1.250	.560 .580 .600 .620 .640 .660 .680		1.632 1.643 1.650 1.656 1.671 1.677 1.669 1.657	1.553 1.560 1.566 1.568 1.561	1.448 1.455 1.471 1.481 1.489 1.492 1.486 1.481	1.417	1.222 1.228 1.247 1.265 1.266 1.253 1.243
Deflector Lower	•620 •640 •660 •680	1.173 1.213 1.288	1 • 158 1 • 156 1 • 190 1 • 201 1 • 218 1 • 197 1 • 239 1 • 230	1.151 1.149 1.195 1.201	1.145 1.167 1.163 1.165 1.164 1.158 1.230 1.220	1.153	1.007 1.028 1.050 1.069 1.119 1.141 1.106	.600 .620 .640 .660	1:167 1:100 1:110 1:116 1:156 1:235 1:102	1:186 1:134 1:147 1:164 1:149 1:188 1:180	1.155	1.120 1.125 1.124 1.126 1.122 1.190 1.181	1:179 1:160 1:130 1:159 1:152 1:166 1:145	1.025 1.025 1.039 1.052 1.085 1.092

TABLE 10 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.120 \, c; \, \delta_{d} = -0.00000 \, c\right]$ 

α = 12 °

α = 14<sup>0</sup>

			Pressure	coefficier	nt Cp a	$t \frac{y}{b/2} = -$	-		I	ressure o	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	.000	1.243	1.274	•845	1.245	•902	1.169	.000	1.157	1.359	1.005	1.672	1.159	1.442
	.010	2.947	2.318	1.814	1.522	1.480	1.413	•010	2.477	2.216	1.893	1.731	1.668	1.496
	•030 •050	2.823	2.298	1.814	1.535	1.484	1.416	• 030	2.416	2.213	1.875	1.748	1.677	1.502
	•075	2.720	2.285	1.814	1.556	1.512	1.356	• 075	2.409	2.220	1.872	1.765	1.692	1.507
-	.100	2.647	2.271	1.806	1.565	1.514	1.351	•100	2.399	2.217	1.867	1.767	1.694	1.515
	•150	2 • 442	2.281	1.803	1.596	1.538	1.361	•150	2.362	2.212	1.866	1.776	1.709	1.530
	•200	2 • 182	2.292	1.818	1.617	1.555	1.374	•200	2.305	2.214	1.870	1.786	1.729	1.554
	•250	1.868	2.261	1.850	1.660	1.586	1.395	.300	2.032	2.197	1.870	1.808	1.763	1.603
H	•350	1.518	2.051	1.845	1.661	1.594	1.402	• 350	1.855	2.145	1.864	1.819	1.776	1.625
be.	•400	1 • 449	1.902	1.805	1.654	1.595	1.390	• 400	1.735	2.077	1.855	1.820	1.781	1.627
Uppe	• 450	1.373	1.733	1.762	1.645	1.590	1.372	• 450	1.616	1.988	1.842	1.811	1.758	1.601
	•500	1.323	1.491	1.639	1.615	1.527	1.289	.520	1.495	1.815	1.801	1.775	1.690	1.501
	•538	1.300	1.419	1.589	1.584	1.485	1.243	•538	1.499	1.737	1.785	1.764	1.650	1.426
	•710	1.433	1.769	1.576	1.469	1.413	1.289	•710	1.377	1.724	1.624	1.483	1 • 447	1.338
	•720	1.461	1.733	1.567	1.475	1.416	1.284	•720	1.413	1.695	1.613	1.483	1.450	1.327
	•740	1.472	1.697	1.574	1.476	1.424	1.292	.760	1.385	1.643	1.603	1.498	1.483	1.335
100	.780	1.474	1.637	1.568	1.486	1.446	1.297	.780	1.395	1.623	1.595	1.505	1.494	1.345
ce	.800	1.433	1.616	1.564	1.494	1.451	1.300	.800	1.354	1.620	1.586	1.510	1.499	1.346
fa	.850	1.363	1.532	1.544	1.498	1.471	1.309	• 850	1.318	1.539	1.571	1.500.	1.518	1.353
Surface:	.950 1.000	1.236	1.376	1.448 .749	1.466	1.445	1.320	1.000	1.236	1.391	1.498	1.479	1.469	1.332
59	The second		1.000	• 1 77	1.100			2.000	2.272		,,,,		2.741	20270
Wing	•010 •030	•103 •213	•328 •356	•348 •421	• 387 • 483	•432	•522	•010	.077 .178	•331 •331	· 345 · 391	• 380 • 431	•414	.508 .610
	•050	•303	• 429	•421	.612	.634	•727	.050	• 266	• 392	• 442	• 489	•560	•697
	•075	•391	•501	•561	.607	.639	.803	• 075	• 355	• 454	•518	•542	•586	•783
	•100	• 457	•557	•607	•669		.853	•100	• 423	•511	•561	•606	700	•836
	•150	•570	•655 •742	•705 •752	.747	•779 •851	•905	•150	•533 •593	• 608 • 688	• 657	•685 •758	•732 •810	•904
	•250	•696	•797	.817	.867	.899	.972	• 250	.657	• 743	•775	.815	.863	•977
	•300	•774	.866	.872	.902	• 944	•989	• 300	•739	.810	.834	.848	•910	1.002
H	•350	.863	• 924	•904	.937	•980	1.009	• 350	•825	• 870	• 864	•898	•951	1.017
We	•400	•919 •982	1.005 .974	•988	1.015	1.014	1.019	• 400	•884 •950	• 952	• 955	• 929	•985 1•022	1.034
Lower	•500	• 997	1.034	1.023	1.033	1.056	1.048	•500	.970	986	• 995	1.001	1.042	1.059
1	•520	.996	1.062	1.026	1.049	1.064	1.059	•520	•970	1.019	• 998	1.016	1.049	1.066
	•540	1.018	1.200	1.087	1.105	1.123	1.069	• 540	•993	1.154	1.060	1.078	1.106	1.070
	•710	1.138	1.274	1.068	1.201	1.187	1.077	•710	1.121	1.243	1.060	1.192	1.178	1.070
	•760	1.142	1.133	1.133	1.134	1.201	1.077	.760	1.117	1.115	1.128	1.121	1.198	1.073
	•780	1.164	1.141	1.114	1.141	1.156	1.088	• 780	1.150	1.116	1.112	1.127	1.152	1.080
	.800	1.121	1.111	1.125	1.149	1.154	1.098	.800	1.112	1.091	1.126	1.135	1.159	1:093
	.850	1.111	1.149	1.151	1.164	1.175	1.106	.850	1.105	1.135	1.154	1.156	1.181	1.099
	•900	1.121	1.155	1.186	1.195	1.203	1.125	• 900	1.121	1.149	1.200	1.258	1.215	1.122
	•560 •580	1.301	1.331	1.595	1.599	1.508	1.269	•560	1.472	1.696	1.794	1.780	1.688	1.504
er	•600	1.326	1.411	1.666	1.608	1.501	1.254	.600	1.440	1.821	1.824	1.800	1.709	1.519
dd	•620	1.354	1.370	1.666	1.604	1.503	1.228	•620	1.438	1.816	1.834	1.813	1.730	1.506
G.e.	•640	1.367	1.290	1.638	1.588	1.484	1.186	•640	1.411	1.770	1.842	1.829	1.731	1.461
fac	•660 •680	1.428	1.210	1.618	1.575	1.435	1.162	•660	1.445	1.704	1.874	1.855	1.750	1.423
surface: Upper	•690	1.453	1.270	1.642	1.484	1.452	1.167	•690	1.426	1.641	1.894	1.747	1.796	1.379
l'i	Variable													
Spoiler	•560		1.729	1.551	1.453	1.399	1.250	•560		1.744	1.602	1.472	1.425	1.289
Spc	•600		1.748	1.556	1.455	1.404	1.268	•600		1.758	1.606	1.474	1.425	1.320
Sl	•620		1.755	1.554	1 . 445	1.400	1.276	•620		1,0762	1.609	1.469	1 . 427	1.332
Po	•640		1.753	1.546	1.438	1.386	1.272	• 640		1.759	1.601	1.453	1.413	1.326
	•660		1.762	1.551	1.433	1.385	1.268	•660		1.761	1.606	1.454	1.407	1.324
	•690		1.759	1.593	1.464	1.399	1.267	•690		1.755	1.640	1.494	1.444	1.332
	•560		1.720	1.547	1.440	1.379	1.236	e 560 e 580		1.740	1.591	1.453	1.399	1.256
per	•600		1.737	1.559	1.460	1.403	1.249	.600		1.752	1.610	1.476	1.437	1.270
do	•620		1.746	1.564	1.469	1.414	1.267	•620		1.755	1.614	1.484	1.454	1.292
Ce	•640		1.761	1.573	1.481	1.423	1.273	• 640		1.756	1.625	1.501	1.468	1.302
rfa	•660 •680		1.768	1.582	1.484	1.420	1.263	•660 •680		1.742	1.628	1.488	1.461	1.291
surface: Upp	•688		1.745			1.403	1.241	.688		1.706		1.481	1.446	1.267
tor		1 110	1.054	1 040	1 074	1 600	1 011		1 000	1 010	1 0 0	1 6		
Deflector	•560	1.113	1.054	1.062	1.076	1.083	1.034	:588		1.010	1.040	1.044	1:073	1.029
ef	•600	1.048	1.091	1.068	1.099	1.135	1.043	•600	1.029	1.052	1.046	1.074	1.124	1.052
Defl	•620	1.063	1.103	1.063	1.103	1.109	1.050	6640	1.040	1.068	1.047	1.077	1.098	1.053
Ä	•660	1.110	1.106	1.106	1.098	1.129	1.112	• 660	1.093	1.070	1.095	1.080	1.121	1.118
	•680	1.186	1.147	1.114	1.177	1.146	1.093	•680	1.168	1.112	1.101	1.158	1.132	1.110
	•688	1.089	1.138	1.099	1.163	1.125	1.073	•688	1.090	1.106	1.088	1.142	1.115	1.055

.688

TABLE 10 .- PRESSURE COEFFICIENTS - Continued

 $\delta_{s} = -0.120 c; \delta_{d} = -0.00000 c$ 

 $\alpha = 180$ at  $\frac{y}{b/2} = -$ Pressure coefficient Cp Pressure coefficient  $C_p$  at  $\frac{y}{b/2} =$ x/c x/c 0.70 0.85 0.30 0.70 0.85 0.97 0.97 1.517 1.801 1.311 1.508 .000 .000 1.067 1.329 1.083 1.744 1.739 1.753 1.524 1.526 1.534 2.195 2.068 1.900 1.793 .010 1.929 1.906 1.887 1.516 .010 1.860 1.802 1.672 1.848 1.805 1.682 1.523 2.117 1.880 2.048 1.893 1.816 . 050 1.883 .075 1.817 1.746 1.536 .075 1.880 1.879 1.845 1.814 1.711 1.527 1.706 1.532 .100 1.881 •100 •150 2.124 2.054 1.890 1.818 1.752 1.827 1.542 1.889 1.765 1.558 .150 1.875 1.883 1.850 1.821 1.736 1.559 1.781 1.827 1.891 .200 1.868 .200 2.077 2.051 1.879 2.059 1.892 1.846 1.796 1.601 . 250 1.869 1.852 1.829 1.853 2.025 2.047 1.893 1.856 .300 1.867 1.879 1.836 1.757 1.592 .300 1.750 1.975 2.032 . 350 1.861 .350 1.891 1.859 1.819 1.651 1.811 1.781 1.759 1.887 1.658 . 400 1.866 1.875 1.855 1.832 1.604 . 450 1.858 1.874 1.850 1.755 1.589 1.883 1.841 .450 1.875 1.977 .500 1.836 1.931 1.875 1.588 .500 1.851 1.883 1.879 1.541 1.841 .520 1.845 1.872 1.889 1.791 1.524 .520 1.771 .538 1.871 1.860 1 . 483 1.831 1.488 1.492 1.812 1.886 •538 1.878 1.719 1.359 1.752 1.632 1.464 1.345 •710 •720 1.730 1.793 1.632 1.506 1.783 1.720 1.632 1.506 1 . 475 1.355 .720 1.559 1.627 1.730 1.724 1.716 1.717 1.739 1.726 1.738 1.517 1.510 1.362 .740 1.569 1.628 1.501 1.480 1:345 1.635 1.349 1.786 1.528 .760 1.639 1.525 1.369 1.541 1.626 .760 1.639 1.540 1.378 1.551 1.626 1.514 1.500 .780 1.621 1.507 1.360 . 800 1.784 1.640 1.551 1.537 1.380 .850 1.513 1.570 1.390 1.366 .850 1.482 1.657 1.611 1.504 1.528 1 . 493 1.522 1 . 402 1.345 . 950 1.550 1.628 1.581 1.364 1.000 1.465 1.243 1.334 1.434 1.315 1.163 1.000 1.261 1.247 1.076 ing .378 .010 ·359 .403 .337 .368 .340 .378 •416 •485 ·461 .550 •683 •773 . 456 .675 .050 .215 .358 .404 .075 ·412 .461 .507 .493 .518 .758 .551 .075 .333 •556 •490 •585 .829 .362 .397 .528 .575 .150 ·595 .666 •619 •674 .471 . 556 .634 .888 .512 .661 .150 941 .634 .710 .953 .200 .573 .668 .724 .780 •715 •779 .804 .785 .836 .981 . 250 .601 .696 .765 810 .859 .999 .798 1.006 .300 .718 .788 .826 .886 1.017 •929 1.025 . 823 .817 .909 . 849 .838 .874 . 350 .771 .860 · 400 • 450 .911 . 933 .829 . 905 .902 .946 1.043 .924 .400 .866 .976 1.063 .909 1.056 .901 .450 . 935 .918 .922 .959 1.004 1.027 .500 .929 . 968 . 966 .978 1.010 1.082 .956 .500 1.021 1.089 .520 .957 1.010 .982 1.005 1.031 1.081 1.081 1.087 1.079 1.117 1.087 1.091 1.057 1.152 1.044 1.063 .540 .957 1.147 1.040 .710 1.277 1.173 1.196 1.185 1.096 .710 1.127 1.261 1.186 1.132 1.119 1.062 1.116 1.193 1.154 .740 1.132 1.135 1.126 .760 1.135 1.157 1.150 1.141 1.165 1.103 .760 1.111 .780 1.159 1.139 1.115 1.131 1.155 1.118 1.135 1.138 1.159 1.106 .800 1.144 1.144 1.150 1.156 1.182 1.126 1.181 . 850 1.159 1.214 1.198 1.205 1.135 .850 1.129 1.171 1.168 1.163 1.181 1.254 1.162 1.158 1.197 1.223 1.218 1.135 . 900 1.211 1.260 1.253 1.233 1.266 . 950 1.313 1.325 1.289 1 . 221 1.204 .950 1.875 1.894 1.902 1.871 1.879 1.877 1.832 •560 •580 1.881 1.762 1.788 1.818 1.810 1.536 1.849 1.881 1.835 1.562 1.903 1.917 1.905 1.873 1.580 1.801 1.883 .600 .620 1.885 1.909 1.911 1.871 1.559 .620 1.534 1.779 1.888 1.913 1.919 1.851 .640 surface: .640 1 . 665 1.935 1.904 1.529 .660 .680 1.930 1.906 1.491 1 . 891 1.925 1.927 1 . 664 .660 1.913 1.906 1.917 1.543 1.960 1.955 1.467 .680 1 . 632 1.928 1.941 1.820 1.846 1.583 1.934 1.967 1.482 .690 1.761 1.896 1.904 1.883 .690 1.632 Spoiler 1.743 1.750 1.754 1.755 • 560 • 580 • 600 1.761 1.599 1.474 1.498 1.487 1.334 1.776 1.497 1.501 1.363 1.604 .600 1.613 1.482 1.450 1.336 1.476 1.440 1.351 .620 1.605 .620 1.784 1.591 1.476 1.471 1.365 .640 1.753 1.602 1.606 1.453 1.420 1.760 1.338 .660 . 680 1.600 1.480 1 . 484 1.347 .680 1.783 1.521 1.521 1.767 .690 .690 1.645 1.504 1 . 473 1.347 1.742 1.748 1.753 1.754 1.298 1.309 1.326 1.273 1.277 1.298 1.313 1 . 455 • 560 • 580 surface: Upper .600 .620 1.610 1.502 1.498 1.617 .600 1.520 1.509 1.344 .620 1.624 1.497 1.467 1.357 1.482 1.536 1.530 1.758 1.634 1.511 1.322 .640 1.791 1.632 .640 1.524 1.516 1.308 .660 1.641 1.334 .660 1.754 1.640 1.500 1.657 1.493 1 . 464 1.289 . 680 1.796 1.655 .688 1 . 800 1.640 1.506 1.501 1.314 .688 Deflector s Lower 1.019 1:032 1:965 1.063 • 560 1:338 1.058 1.064 1.085 1.118 1.093 1.118 1.053 1.034 1.066 1.052 1.070 1.038 1.034 1.064 1.072 1.019 .600 1.007 .620 .640 1.023 1.072 1.039 1.074 1.097 1.036 .620 1.045 1.081 1.121 1.093 1.081 1.048 1.092 1.036 1.074 1.149 •660 1.071 1.113 1.136 .660 1.087 1.082 1.095 1.165 1.127 1.106 1.159 1.128 1.135 .680 1.171 1.119 1.100 1.149 1.089 1.143

.688

1.133

1.113

1.066

1.120

1.122

TABLE 10 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.120 \, c; \, \delta_{d} = -0.00000 \, c\right]$ 

a = 20°

a = 22 °

			Pressure	coefficien	t C <sub>n</sub> at	$\frac{y}{b/2} = -$			P	ressure c	oefficient	C <sub>n</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15			0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
-	- 1	0.10	0.30	0.50	0.10	0.00	0.87		0.10	0.00	0.50	0.70	0.00	0.01
	.000	1.059	1.364	1.198	1.855	1.462	1.505	.000	1.103	1 . 436	1.232	1.825	1.500	1.492
	•010 •030	1.869	1.842	1.853	1.787	1.705	1.492	•010	1.819	1.837	1.819	1.742	1.692	1.478
	.050	1.838	1 6835	1.840	1.783	1.712	1.495	.050	1.803	1.832	1.803	1.737	1.695	1.481
	•075	1.842	1.836	1.840	1.787	1.711	1.501	•100	1.805	1.832	1.803	1.738	1.699	1.486
	•100 •150	1.845	1.837	1.840	1.789	1.725	1.517	. 150	1.809	1.838	1.805	1.745	1.709	1.500
	.200	1.838	1.839	1.842	1.794	1.734	1.526	• 200 • 250	1.812	1.839	1.803	1.745	1.714	1.515
	•250 •300	1.837	1.841	1.845	1.800	1.736	1.535	.300	1.813	1.841	1.811	1.751	1.713	1.517
H	•350	1.827	1.841	1.850	1.802	1.738	1.542	• 350	1.811	1.839	1.838	1.803	1.720	1.514
Upper	•400 •450	1.828	1.838	1.862	1.824	1.747	1.531	. 400 . 450	1.806	1.843	1.858	1.852	1.754	1.490
P	.500	1.824	1.844	1.894		1.815	1.504	• 500	1.811	1 845	1.864	1.841	1.823	1.492
	•520 •538	1.817	1.843	1.892	1.879	1.821	1.476	• 520 • 538	1.805	1 . 841	1.849	1.814	1.784	1 . 496
	•710	1.752	1.799	1.659	1.529	1.536	1.382	•710	1.750	1.807	1 . 643	1.527	1.556	1.396
	•720 •740	1.746	1.800	1.661	1.528	1.528	1.377	• 720	1.748	1.809	1.643	1.529	1.553	1.403
	.760	1.750	1.810	1.670	1.555	1.559	1.392	.760	1.752	1.818	1.657	1.556	1.578	1.412
.: l	.780	1.760	1.807	1.675	1.565	1.570	1.400	• 780 • 800	1.761	1 820	1.659	1.566	1.586	1.418
Surface	.850	1.749	1.795	1.676	1.530	1.597	1.413	.850	1.775	1.819	1.666	1.523	1.610	1.429
in	• 950	1.635	1.710	1.627	1.552	1.493	1.389	1.000	1.635	1.773	1.627	1.554	1.553	1.410
ing S	1.000	10327	10277	10240	10.472	10 102		2.000						
Win	.010 .030	.030 .104	• 352 • 295	•380 •355	.387 .391	.427	•518 •567	•010	.020 .085	• 365 • 282	• 388 • 347	• 389 • 373	+436	•530 •562
	.050	.188	.330	.382	.457	.351	.647	.050	.168	.307	.364	. 450	.350	.634
	•075 •100	• 269 • 336	•379 •424	.435 .477	.471 .528	.505	•733 •786	•100	• 243 • 307	a 353	0412 0449	o 437	+481	•719 •771
	•150	.440	.515	.567	.601	.644	.857	• 150	.413	0482	.535	0570	+624	.850
	•200	•505 •571	• 593 • 654	.623 .692	.677 .740	.730 .793	•919 •954	• 200 • 250	.474 .541	.558 .617	• 594 • 660	• 640 • 705	•704 •768	•902 •940
	•250	.651	•721	•753	.788	.846	.981	.300	.623	.691	.739	0751	.824	.970
H	•350	• 748	• 784	.800 .890	.840	. 939	1.003	• 35 Q • 400	.714	. 751 . 832	. 772 . 859	.804 .854	•874 •926	1.019
Lower	·400	•798 •872	.869 .876	.900	. 934	975	1.031	• 450	.845	. 849	. 868	6903	•967	1.053
니니	.500	•901	• 945	•961	.968	1.012	1.078	•500	.879	0919	935	0943	1.002	1.076
	•520 •540	•912 •936	.977 1.120	1.033	.984	1.020	1.083	• 520 • 540	.887 .911	1.101	1.007	1.016	1.068	1.087
	.710	1.114	1.282	1.183	1.203	1.192	1.108	•710	1.106	1.278	1.070	1.184	1.190	1.114
	•740	1.126	1.141	1.084	1.135	1.220	1.139	• 740 • 760	1.117	1.144	1.154	1.114	1.219	1.141
	.780	1.166	1.174	1.152	1.151	1.186	1.128	.780	1.165	1.174	1.138	1.140	1.186	1.133
	.800 .850	1.143	1.156	1.172	1.163	1.193	1.142	. 800 . 850	1.173	1.249	1.210	1.189	1.193	1.152
	.900	1.230	1.294	1.285	1,251	1.272	1.181	• 900	1.251	1.312	1.278	1.243	1.280	1.194
	•950	1.304	1.363	1.361	1.313	1.314	1.229	• 950	1.346	1.402	1.360	1.313	1.350	1.242
	•560	1.811	1.842	1.875	1 070	1.829	1.515	• 560 • 580	1.800	1.843	1.842	1.837	1.817	1.534
er	.580 .600	1.794	1.846	1.892	1.878	1.856	1.536	.600	1.785	1.848	1.864	1.849	1.851	1.560
Jpp	•620	1.786	1.853	1.906	1.901	1.883	1.544	•620	1.778	1.850	1.863	1.858	1.865	1.568
ace	.640 .660	1.775	1.852	1.905	1.898	1.898	1.542	• 640	1.769	1.848	1.004	1.844	1.862	1.574
urf	.680	1.764	1.854	1.886	1.879	1.878	1.697	•680	1.753	1.853	1.846	1.822	1.840	1.753
r surface: Upper	•690	1.768	1.853	1.883	1.847	1.859	1.772	• 690	1.756	1 . 852	1.838	1.815	1.821	1.824
Spoiler	•560		1.763	1.621	1 510		1 245	•560		1.775	1.604	1.517	1.542	1.384
Spo	•580		1.773	1.632	1.519	1.525	1.365	•580 •600		1.779	1.611	1.521	1.552	10411
Sl	.620		1.788	1.627	1.519	1.531	1.403	• 620		1.793	1.617	1.517	1.549	1.421
L	•640 •660		1.784	1.620	1.498	1.507	1.393	. 640 . 660		1.802	1.604	1.498	1.526	1.409
	•680			1.623	1.504	1.522	1.373	.680			1.610	1.509	1.542	1.386
	•690		1.779	1.661	1.548	1.570	1.386	• 690		1.794	1.644	1.542	1.587	1.407
	.560		1.760	1.612	1.489	1.497	1.333	• 560		1.772	1.597	1.493	1.520	1.351
1 ST	e 6 00		1.778	1.635	1.526	1.536	1.340	.600		1.781	1.622	1.526	1.551	1.375
odd.	.620		1.786	1.645	1.544	1.545	1.378	• 620		1.789	1.636	1.545	1.563	1.396
ace	•640 •660		1.794	1.657	1.559	1.550	1.385	. 640 . 660		1.801	1.644	1.543	1.566	1.402
surface: Upp	.680		1.801	1.673	1.530	1.538	1.345	. 680		1.799	1.658	1.531	1.556	1 . 362
in in	• 688		1.805	1.661	1.530	1.535	1.350	· 688		1.807	1 . 644	1.525	1.552	1.370
Deflector	•560 •580	1.031	.978	1.018	1.023	1.057	1.067	•560 •580	1.009	· 962 · 974	• 994	. 993	1.045	1.066
fle	a580	• 981 • 984	1.038	1.038	1.048	1.130	1.076	.580 .600	.960	1.020	1.011	1.023	1.120	1.081
De	•620	1.005	1.055	1.042	1.069	1.097	1.090	• 620	• 989	1.045	1.017	1.047	1.087	1.094
Lo	±40 ±460	1.021	1.082	1.047	1.077	1.127	1.106	.640	1.007	1.070	1.025	1.057	1.120	1.104
	.680	1.151	1.123	1.114	1.160	1.137	1.142	· 680	1.138	1.114	1.095	1.134	1.134	1.149
	. 688	1.141	1.120	1.099	1.143	1.127	1.083	e.688	1.177	1.114	1.081	1.120	1.117	1.088
	-			-								-		

TABLE 10 .- PRESSURE COEFFICIENTS - Concluded

δ<sub>S</sub> = -0\*120c; δ<sub>d</sub>=-0\*0000c]

			α	= 23 0							a = # 0			
	v/0		Pressure	coefficien	t C <sub>p</sub> at	$\frac{y}{b/2} = -$		x/c	P	ressure	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	X/C	0.15	0.30	0.50	0.70	0.85	0.97
	.000 .010 .030	1.117 1.790 1.783	1.489 1.837 1.838	1.286 1.824 1.814	1.840 1.739 1.734	1.543 1.694 1.696	1.467 1.450 1.455	.000 .010 .030						
	•050 •075	1.781	1.843	1.812	1.735	1.699	1.456	.050 .075						
	•100 •150	1.786	1.848	1.813	1.739	1.702	1.466	• 100 • 150						
	•200 •250	1.793	1.854	1.815	1.742	1.714	1.484	• 200 • 250						
	.300	1.801	1.862	1.826	1.754	1.713	1.492	• 300 • 350						
Upper	• 350 • 400	1.803	1.862 1.865	1.838	1.779	1.772	1.476	. 400						
Up	• 450 • 500	1.802 1.807	1.867	1.879	1.879	1.828	1.475	• 450 • 500						
	•520 •538	1.803	1.867	1.877	1.848	1.826	1.500	.520 .538						
	•710 •720	1.734	1.824	1.663	1.550	1.576	1.378	• 710 • 720						
	•740 •760	1.736	1.827	1.674	1.564	1.589	1.386	• 740 • 760						
*:	.780 .800	1.746	1.834	1.685	1.586	1.606	1.402	.780 .800						
Surface	.850	1.764	1.833	1.689	1.538	1.625	1.407	. 850 . 950						
Sur	1.000	1.718	1.778	1.652	1.572	1.592	1.394	1.000						
Wing	•010 •030	•018 •076	•375 •282	•402 •341	.408 .369	.444	•528 •550	.010 .030						
	•050 •075	• 153 • 231	•302 •337	•352 •396	• 449 • 426	• 353 • 476	•620 •698	• 050 • 075						
	.100	.291	.376	.434	• 481 • 556	•606	•747 •827	• 100 • 150						
	•150 •200	• 390 • 452	• 462	•515 •575	.624	.687	.887	• 200 • 250						
	• 250	• 520 • 600	.601 .672	.641 .701	•688 •739	.753 .810	• 923 • 951	• 300						
ler.	• 350 • 400	.688 .741	.733 .815	•752 •840	•795 •840	.862 .915	.974 1.006	• 350 • 400						
Lower	•450 •500	.821 .854	.834 .902	.853 .920	.896 .934	•958 •990	1.033	• 450 • 500						
	•520 •540	.862 .888	.940 1.085	•929 •993	.953 1.011	1.000	1.073	•520 •540						
	•710	1.081	1.267	1.160	1.185	1.186	1.102	•710 •740						
	•760	1.105	1.159	1.151	1.133	1.177	1.115	•760 •780						
	•780 •800	1.142	1.171	1.135	1.153	1.190	1.139	.800 .850						
	•850 •900 •950	1.158 1.232 1.334	1.246 1.316 1.409	1.215 1.286 1.375	1.193 1.252 1.325	1.229 1.284 1.378	1.150 1.178 1.233	. 900 . 950						
£	•560 •580	1.807	1.863	1.859 1.872	1.838	1.824	1.548	• 560 • 580						
pper	•600	1.786 1.775	1.870	1.882	1.855 1.857	1.854	1.570	.600 .620						
ace:	•640 •660	1.762	1.873 1.873	1.875	1.848	1.879	1.588	. 640 . 660						
surface:	•680 •690	1.747	1.871	1.856	1.817	1.838	1.818	• 680 • 690						
Spoiler	•560 •580		1.797	1.634	1.539	1.560	1.371	•560 •580						
Spo			1.808	1.643	1.543	1.569	1.398	.600 .620						
Sl	•640		1.812	1.634	1.523	1.546	1.391	.640 .660						
	•680		1.820	1.640	1.521	1.564	1.368	.680 .690						
	•690		1.807	1.667	1.568	1.608	1.391	•560						
, sa	•560 •580 •600		1.788 1.795 1.802	1.622 1.627 1.648	1.521	1.547	1.352	•580						
bpe	•620		1.810	1.652	1.568	1.580	1.391	• 620 • 640						
surface: Upper	•640		1.815	1.674	1.571	1.585	1.375	0 660						
	•680 •688		1.813	1.666	1.557	1.574	1.359	.680 .688						
Deflector	•560 •580	• 981 • 938	• 944 • 951	•984 •953	•990 1•019	1.039	1.049	• 560 • 580						
Defle		• 943 • 967	1.009	1.004	1.031	1.102	1.074	.600 .620						
I Day	•640 •660	•984 1•030	1.060	1.017	1.054	1.114	1.092	.640 .660						
	•680 •688	1.116	1.106	1.092	1.137	1.132	1.135	680 688						
	*008	1.186	1.100	1.010	1012/	14110	10011							

TABLE 11 .- PRESSURE COEFFICIENTS

 $\left[\delta_{S} = -0.005c; \delta_{d} = -0.00375c\right]$ = -40

			Pressure	coefficien	t Cp a	$t \frac{y}{b/2} = -$			I	Pressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	•000	1.239	2.203	3.634	2.456	2.123	•787	•000	•319	• 944	1.705	•851	•944	•197
	•010	•691 •842	.682 .818	•548 •732	•487 •700	• 425 • 683	•500	.010	.995 1.026	1.026	.803 .921	•764	•719	•672 •803
	•050	•900	.867	.812	•773	• 765	•774	• 050	1.048	1.042	.970	.945	.950	.844
	•075	•907 •935	•907 •944	•866 •908	.835 .885	•840 •888	.811 .846	•075	1.028	1.058	.996 1.019	.984 1.021	1.010	•858
	•150	.980	977	•956	.948	• 968	.878	150	1.073	1.086	1.047	1.059	1.028	.875 .890
	•200	• 998	•997	•980	• 972	• 987	.886	•200	1.078	1.096	1.057	1.074	1.077	.890
	•250	1.036	1.011	.999 1.028	.994 1.016	1.008	.895 .904	• 250	1.104	1.099	1.068	1.081	1.085	.895 .893
H	•350	1.044	1.042	1.038	1.040	1.087	•910	• 350	1.098	1.117	1.090	1.106	1.141	•901
Upper	•400	1.060	1.044	1.046		1.068	•913 •917	• 400	1.109	1.112	1.089	1.100	1.114	0.00
D	•500	1.067	1.041	1.040	1.042	1.019	.900	.500	1.107	1.093	1.071	1.086	1.123	.895 .877
	•520	1.042	1.028	1.004	1.063	1.007	.885	•520	1.079	1.082	1.062	1.102	1.050	.866
	•710	1.071	1.282	1.222	1.231	1.234	.879 1.103	•538	1.108	1.119	1.036	1.106	1.112	.853 1.062
	•720	1.063	1.168	1.160	1.152	1.153	1.046	•720	1.096	1.207	1.177	1.181	1.190	1.006
	•740	1.082	1.132	1.137	1.115	1.127	•967	•740	1.105	1.165	1.149	1.144	1.151	•936 •890
	•780	1.094	1.083	1.088	1.073	1.071	.879	.780	1.112	1.125	1.097	1.105	1.092	.868
ace	•800 •850	1.077	1.069	1.065	1.059	1.047	.871	.800	1.093	1.111	1.074	1.092	1.073	.854
Surface:	•950	1.044	1.050	1.047	1.044	•918	• 865 • 823	•850 •950	1.088	1.093	1.050	1.070	1.050	•846 •824
25	1.000	1.044	1.064	•607	1.021	•733	•504	1.000	1.102	1.082	.700	1.021	•947	•587
Wing	.010	1.490	1.691	1.964	2.132	2.113	1.502	010	1 120	1 204	1 477	1 504	1 (10	
B	.030	1.291	1.495	1.663	2.132		1.582	.010	1.128	1.306	1.477	1.594	1.618	1.268
	•050	1.237	1.395	1.549	1.617	1.627	1.186	• 050	1.062	1.216	1.316	1.353	1.386	1.063
	.100	1.195	1.334	1.424	1.480	1.418	1.074	•100	1.069	1.217	1.270	1.319	1.224	.998
	•150	1.253	1.356	1.423	1.398	1.312	1.030	• 150	1.144	1.268	1.306	1.276	1.198	.964
	•200	1.200	1.366	1.350	1.368	1.306	1.018	•200	1.109	1.295	1.235	1.271	1.228	•964
	•300	1.291	1.364	1.360	1.315	1.258	.993	• 300	1.216	1.311	1.285	1.255	1.206	0943
er	•350	1.303	1.370	1.334	1.300	1.247	•992 •991	• 350	1.261	1.328	1.255	1.244	1.206	•936
Lower	• 450	1.384	1.325	1.303	1.262	1.208	.975	. 450	1.328	1.299	1.251	1.231	1.197	•938
니니	•500	1.365	1.309	1.302	1.225	1.190	•961	•500	1.313	1.296	1.258	1.202	1.169	.916
	•520 •540	1.359	1.279	1.284	1.203	1.185	•948	•520	1.303	1.276	1.243	1.179	1.166	•902 •862
	•710	1.354	1.258	1.211	1.156	1.161	.944	•710	1.326	1.249	1.184	1.152	1.154	.863
	•740	1.323	1.245	1.190	1.128	1.099	1.007	• 740	1.293	1.238	1.165	1.123	1.089	•904
	.780	1.309	1.242	1.184	1.118	1.105	•997	•760	1.276	1.237	1.158	1.113	1.093	•895 •882
	.800	1.279	1.193	1.147	1.102	1.087	.994	.800	1.252	1.189	1.122	1.096	1.077	•878
	•850 •900	1.233	1.188	1.121	1.074	1.064	995	• 850	1.212	1.195	1.102	1.080	1.058	•876 •867
	•950	1.156	1.101	1.050	1.035	• 955	.960	• 950	1.149	1.114	1.047	1.033	1.016	.889
-	•560	1.092	1.099	1.111			7	• 5.60	1.129	1.148	1.133			
H	•580 •600	1.069	1.118	1.089	1.164	1.091	•940	•580	1.107	1.172	1.112	1.193	1.113	•920
e: Upper	•620	1.074	1.099	1.112	1.117	1.150	•918 •912	•600	1.103	1.154	1.116	1.153	1.162	·895
surface:		1.054	1.107	1.112	1.086	1.150	.916	.640	1.082	1.154	1.134	1.120	1.169	.890
fa	•660	1.096	1.120	1.136	1.141	1.159	•923	•660	1.115	1.157	1.147	1.167	1.162	•898
	•690	1.088	1.115	1.138	1.141	1.184	.952	.690	1.108	1.147	1.148	1.155	1.198	•938
Spoiler	•560		1.071	1.092				.540		1.083	1.094			
poi.	.580		1.077	1.090	1.029	1.102	•858	•560 •580		1.091	1.084	1.008	1.091	.829
Sp	•620		1.082	1.094	1.035	1.110	•859 •849	•600		1.103	1.081	1.017	1.097	*828
3	•640		1.054	1.078	1.014	1.064	.835	• 640		1.072	1.068	1.003	1.089	·816
	•660 •680		1.012	1.058	•995 •995	1.059	•827	•660		1.000	1.047	. 978	1.042	. 791
	•690		•962	1.054	1.000	1.054	.824 .831	.680 .690		•925	1.027	•959	1.043	.799 .804
	•560		1.145	1.061	1.022	1.083	.841	•560		1.104				.815
H	•580		1.089	1.061	1.022	1.083	.858	• 580		1.108	1.050	1.004		.828
per	•600		1.085	1.095	1.035	1.102	•856 •845	•600		1.04	1.079	1.029	1.094	.823 .810
UF	.640		1.056	1.075	1.014	1.074	.837	• 640		1.074	1.066	1.000	1.053	.803
surface: Upp	•660		1.009	1.062	•999	1.058	.828	•660		•992	1.043	977	1.046	.794
	•688		.965	1.049	.995	1.052	.821 .815	•688		•942	1.033	• 962	1.038	•787 •788
ector	•560	1.442	2.085	1.462	1.533	1.313	1.090	•560	1.404	2.033	1.409	1.503		1.046
	•580	1.381	1.469	1.350	1.322	1.217	1.016	•580	1.339	1.423	1.296	1.298	1.297 1.188	•948
Defi		1.368	1.422	1.333	1.281	1.244	1.004	•600		1.397	1.292	1.235	1.233	•933 •926
Lo	•640	1.357	1.359	1.255	1.219	1.188	•993	• 640	1.309	1.345	1.216	1.203	1.176	.920
		1.404	1.302	1.233	1.189	1.160	1.031	•660		1.288	1.196	1.176	1.154	•946
1		1.149	1.263	1.192	1.153	1.095	1.003	•688		1.255	1.158	1.136	1.084	0917
											-			

TABLE 11 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.005 \, c; \, \delta_{d} = -0.00375 \, c\right]$ 

			α	= 00							, = 20		17	
T	1,-	F	ressure	coefficient	t C <sub>p</sub> at	$\frac{y}{b/2} = -$		x/c	P:	ressure co	efficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	X/C	0.15	0.30	0.50	0.70	0,85	0.9
			500	200	•390	• 472	.269	.000	•348	.281	• 257	•578	•274	.4
	•000	•314 1•369	.502 1.382	.288 1.220	1.228	1.209	.868	.010	1.775	2.016	1.906	1.898	2.019	1.3
	.010 .030	1.230	1.263	1.178	1.186	1.146	.914	.030	1.461	1.589	1.542	1.515	1.499	1.1
	•050	1.233	1.207	1.164	1.147	1.143	•920	• 050	1.412	1 • 446	1 • 427	1.380	1.406	1.0
1	.075	1.159	1.183	1.151	1.148	1.149	.907	• 075	1.306	1.376	1.359	1.338	1.358	1.0
	.100	1.164	1.188	1.161	1.160	1.139	.912	•100	1.290	1.351	1.340	1.321	1.315	.9
	.150	1.172	1.166	1.153	1.168	1.166	•912	• 150 • 200	1.276	1.291	1.291	1.258	1.246	. 9
	•200	1.159	1.157	1.152	1.162	1.138	•908 •908	• 250	1.254	1.242	1.239	1.236	1.219	. 9
	• 250	1 • 175	1.146	1.145	1.155	1.142	.910	.300	1.229	1.237	1.244	1.226	1.215	. 9
	•300	1.158	1.154	1.158	1.161	1.166	•913	• 350	1.222	1.226	1.226	1.217	1.221	
opper	• 350 • 400	1.165	1.141	1.153	1.152	1.133	.907	• 400	1.222	1.209	1.212	1:199	1.190	
5	•450	1.153	1.146	1.134	1.155	1.140	•914	• 450	1.206	1.200	1.182	1.192	1.183	
5	•500	1.155	1.123	1.120	1.119	1.071	.883	•500	1.198	1.172	1.166	1.150	1.119	
1	.520	1.128	1.106	1.107	1.133	1.061	.866	•520	1.170	1.154	1.147	1.159	1.108	
	•538	1 . 154	1.209	1.086	1.132	1.118	.879	• 538	1.196	1.240	1.126	1.161	1.151	1.0
	.710	1.119	1.415	1.341	1.327	1.268	1.048	• 710	1 • 145	1.452	1.324	1.322	1.219	1.00
	.720	1.131	1.220	1.224	1.202	1.180	•984	• 720	1.154	1.249	1.189	1.161	1.167	
	.740	1.135	1.167	1.175	1.160	1.144	•924	• 740	1.158	1.172	1.166	1.142	1.138	
	.760	1.128	1.146	1.145	1.133	1.110	.887	•760	1.160	1.172	1.147	1.127	1.116	
	•780	1.140	1.130	1.125	1.118	1.089	.863 .852	800	1.141	1.149	1.127	1.113	1.096	
	.800	1.119	1.119	1.102	1.103	1.069	.844	.850	1.123	1.122	1.101	1.087	1.067	
	•850	1.083	1.095	1.077	1.077	1.042	.828	. 950	1.090	1.083	1.057	1.049	1.036	
	.950 1.000	1.083	1.066	•771	1.018	s969	.619	1.000	1.109	1.076	.851	1.014	•998	
	1.000	1 . 114	1.000		10010									
	.010	.858	•940	1.062	1.126	1.125	1.057	.010	.618	.655	.690	.733 .840	•744	:
	.030.	.889	• 995	1.102	1.110		1.030	•030	•720	• 781	. 831	.901	•936	
	.050	•920	1.014	1.111	1.124	1.154	•988	• 050	• 781	•841 •903	• 890 • 966	• 946	•909	:
	.075	• 938	1.049	1.183	1.126	1.055	•971	• 075	•822 •862	• 948	975	991	•987	
	.100	.968	1.072	1.136	1.164	1.123	•956	• 150	.960	1.048	1.074	1.028	•990	
	.150	1.055	1.146	1.202	1.155	1.083	•934 •944	.200	• 949	1.102	1.046	1.060	1.059	
	•200	1.032	1.186	1.156	1.175	1.135	934	• 250	•984	1.114	1.096	1.083	1.073	
	• 250	1.056	1.187	1.190	1.177	1.141	928	.300	1.092	1.156	1.139	1.098	1.088	
	•300	1.159	1.224	1.217	1.187	1.149	.923	• 350	1.157	1.187	1.131	1 6 1 1 1	1.105	
1	• 350	1.212	1.288	1.264	1.180	1.150	.928	. 400	1.190	1.240	1.200	1.112	1.116	
ğ	• 400 • 450	1.290	1.232	1.213	1.188	1.149	•924	• 450	1.239	1.189	1.152	1.122	1.127	
Lower	•500	1.277	1.243	1.235	1.167	1.139	•914	.500	1.228	1.209	1.178	1.103	1.119	
1	•520	1.266	1.231	1.228	1.151	1.132	.899	•520	1.218	1.202	1.174	1.088	1.114	
	•540	1.278	1.117	1.171	1.103	1.124	.865	• 540	1.236	1.101	1.125	1.077	1.108	
	.710	1.310	1.209	1.170	1.132	1.146	.849	•710	1.282	1.186	1.138	1.116	1.155	:
	•740	1.278	1.200	1.160	1.103	1.074	.888	• 740	1.250	1.181	1.131	1.080	1.071	
	.760	1.264	1.201	1.150	1.095	1.077	.879	• 760	1.236	1.183	1.132	1.072	1.072	
- 1	.780	1.277	1.191	1.126	1.086	1.074	.872	• 780	1.250	1.176	1.102	1.061	1.063	
	.800	1.240	1.153	1.120	1.079	1.064	.868	.800 .850	1.217	1.152	1.087	1.050	1.053	
	.850	1.206	1.162	1.106	1.062	1.044	.860 .851	• 900	1.166	1.125	1.073	1.039	1.033	
	•900 •950	1.183	1.130	1.085	1.050	1.015	.866	• 950	1.136	1.093	1.054	1.018	1.022	
			1 170	1 170				•560	1.205	1.218	1.210			
	•560 •580	1.169	1.179	1.178 1.156	1.235	1.118	•924	.580	1.205	1.218	1.189	1.243	1.155	
H	.600	1.141	1.171	1.152	1.179	1.160	.898	.600	1.175	1.212	1.184	1.198	1.187	
ă.	.620.		1.165	1.164	1.143	1.163	.892	.620	1.174	1.205	1.192	1.166	1.191	
Upper	.640	1.123	1.166	1.166	1.143	1.164	.892	•640	1.152	1.205	1.188	1.161	1.190	
	.660	1.150	1.163			1.166	.897	•660	1.181	1.197	1.102	1.199	1.170	
	.680	1.133	1.172	1.177	1.189	1.178	• 934	• 680	1.162	1.204	1.193	1.199	1.206	
	•690	1.139	1.153	1.174	1.175	1.191	•942	• 690	1.170	1.184	1.100	18100	10200	-
er	•560		1.088	1.127 1.132	1 000	1.000	.066	•560 •580		1.093	1.095	1.049	1.102	
	.580		1.092		1.039	1.089	•866	.600		1.115	1.104	1.057	1.112	,
er	.600		1.107	1.127	1.047	1.100	.868 .857	.620		1.125	1.109	1.047	1.104	
Lower	•620		1.115	1.132	1.052	1.061	•838	• 640		1.080	1.106	1.024	1.065	
7	•640		1.070	1.107	•986	1.043	.826	.660		.964	1.069	0999	1.039	
	•660 •680		.887	1.056	• 964	1.041	.818	.680		.885	1.033	.989	1.042	
	690		.887	1.036	.971	1.046	.824	. 690		.895	1.039	a 998	1.051	
	•560		1.221	1.093	1.071	1.085	.861	•560		1.263	1.056	1.087	1.090	
			1.116	1.111	1.037	1.096	•865	• 580		1.127	1.073	1.047	1.102	
HO	.600		1.111	1.129	1.063	1.100		• 600		1.117	1.100	1.068	1.002	
de	•620		1.052	1.130				•620		1.050	1.009		1.092	
5	•640		1.072	1.128				• 640		.968	1.098		1.048	
	•660		•973	1.099				.680		• 920	1.004	993	1.040	
Upper	•680 •688		.913 .897				.816 .812	•688		. 905	1.033			
								. 560	1.332	1.819	1.311	1.390		
	•560	1.372	1.891				•940	• 580	1.258	1.305	1.216	1.217	1.140	
1 .		1.299	1.335			1.206	•923	.600	1 0 247	1.298	1.224		1.194	
Wer	4620	1.285	1.310	1.224	1.203	1.153		• 620	1 . 249	1.277	1.181			
Lower	0640	1.276	1.291		1.178	1.158		.640	1 + 2 4 2	1.262				
H	€660	1.304	1.237	1.179	1.152	1.128			1 4 2 7 0					
	4680	1.369	1.243	1.197	1.144	1.123			1.341					
		1.119	1.208	1.152	1.112	1.061								

TABLE <sup>11</sup> .- PRESSURE COEFFICIENTS - Continued  $\left[ \delta_S = ^{-0.005} c; \ \delta_d = ^{-0.00375} c \right]$ 

Pressure coefficient Cp at  $\frac{y}{b/2} = -$ Pressure coefficient Cp at x/c 0.70 0.85 0.97 0.30 0.50 0.70 0.85 0.97 .814 2.733 2.674 2.484 2.169 •376 1•898 1•781 .821 1.817 1.737 1.702 .576 1.438 1.291 1.796 1.732 1.702 1.573 1.473 1.404 1.928 1.787 1.663 1.821 1.893 .030 .050 1.660 1.852 1.737 1.857 .075 1.596 1.651 1.664 1.822 1.750 1 . 651 1.297 .100 1.608 1.601 1.063 .100 1.605 1.943 1.764 1.492 1.486 .150 1 . 409 1.511 1.525 1.699 1.667 1.682 1.599 1.124 1.358 1.360 1.451 1.436 .992 .200 1.545 1.585 1.327 1.357 1.376 1.351 1.445 1.514 1.579 1.507 1.084 1.389 1.353 1.318 .983 .300 1.366 1.526 1.270 1.237 1.221 1.300 • 350 .350 1.297 1.294 1.390 .400 1.289 1.268 1.351 1.414 1.375 1.076 1.262 1.258 1.250 .975 . 450 1.304 1.302 1.310 1.337 1.086 1.225 .941 .500 1.258 1.265 1.307 1.049 .520 1.260 1.256 1.268 1.311 1.286 1.037 1.192 1.305 1.223 1.245 1.283 1.183 1.221 .935 • 538 1.275 1.334 1.281 1.031 1.181 1.497 1.351 1.235 1.205 1.520 1.358 1.281 1.208 1.242 1.254 1.039 .720 1.208 1.301 1.188 1.204 1.199 1.175 1.164 1.000 1.191 1.201 1.062 1.157 1.183 .760 1.195 1.209 1.186 1.180 ·972 1.197 1.188 1.163 1.144 1.125 .780 1.198 1.181 .800 1.164 1.162 1.147 1.136 .800 1.182 1.168 1.159 1.162 1.025 1.156 1.153 1.114 1.094 .947 .850 1.017 1.068 1.090 •941 1.105 1.022 .700 1.000 1.110 1.087 . 924 ing •490 •618 .592 .653 .010 . 416 .545 .050 .635 .695 .781 •792 .513 . 606 .671 •727 .068 .754 .852 .830 .849 .075 .590 .686 •747 .897 .889 .100 .753 .826 .882 .746 .192 .834 .832 ·866 .883 .150 .765 .841 .878 .254 .897 .200 .869 .999 .974 .994 .993 .899 .200 .791 .957 .250 .910 1.019 .902 .840 . 250 . 965 .958 .338 .990 .893 .300 1.082 1.077 1.052 1.045 .905 .300 .954 1.019 1.004 .350 1.089 1.114 1.080 1.069 1.066 .394 1.042 .904 1.126 1.156 1.084 •414 1.080 .915 . 400 1.063 1.132 1.101 1.117 .913 • 450 1.064 .450 1.132 1.102 .910 1.076 1.175 1.124 1.127 1.098 .437 1.083 .899 •520 1.162 1.143 1.085 1.090 .885 1.120 .880 1.192 1.077 1.096 1.049 .540 1.088 1.139 1.064 1.068 .403 1.088 .867 1.211 1.086 •469 •438 1.155 .861 .710 1.138 .740 1.221 1.151 1.114 1.076 1.061 .740 1.068 .918 1.157 .895 1.173 1.143 1.090 . 434 1.078 .912 1.229 • 780 • 800 1.191 1.091 1.064 1.065 .882 1.135 .800 1.195 1.117 1.086 1.104 1.066 .430 1.068 .903 .850 1.136 1.081 1.053 1.052 .870 .850 1.140 1.062 • 426 .900 1.152 1.113 . 900 1.058 • 429 1.064 .879 1.056 .870 . 950 1.112 1.081 1.046 .888 .560 1.251 1.181 1.290 .992 .600 1.217 1.243 1.218 1.223 1.207 • 966 • 958 1.245 1.250 1.267 1.255 1.065 .620 1.247 1.052 .620 1.270 1.254 1.250 1.192 •960 •962 •640 1.219 1.270 1.219 1.192 1.199 1.236 .660 1.214 1.226 1.239 1.040 .993 . 680 1.221 1.230 1.226 .690 1.200 1.202 1.189 1.048 1.086 1.092 1.101 1.108 1.017 1.014 1.147 .846 .600 1.117 •843 •839 .600 .620 1.024 1.127 1.131 1.110 1.160 .840 .620 1.133 1.110 1.026 1.113 1.151 1.122 1.026 1.133 .830 .836 .640 1.131 1.124 1.010 1.070 1.040 ·660 •680 .660 1.011 .945 . 959 1.068 .828 .870 .871 .680 .835 .883 1.024 .830 1.032 .922 1.054 .844 .690 .881 .837 1.297 •560 • 525 1:119 .844 •600 •620 1,138 1.109 ·836 •831 1.122 .842 .600 1.021 1.053 1.114 . 620 .640 1.109 1.110 •998 1.059 1.132 1.123 .386 1.078 .829 .660 1.047 .832 .660 1.014 1.069 .825 .680 .906 1.038 .918 .680 1.065 .818 .688 .888 .688 .829 .902 1.032 .298 •665 •531 •529 1.207 • 560 .600 1.205 1.255 1.193 1.185 1.181 .930 1.147 1.183 .940 1.208 .620 .926 .620 1.164 1.211 1.118 .503 1.119 •942 •917 •640 •660 1.225 1.134 1.130 1.135 1.163 •483 1.238 .660 1.174 1.108 1.193 1.153 1.089 .461 .962 1.115 1.106 .934 . 680 1.262 1.166 1.120 .688 1.106 1.154 1.104 1.076 1.044 .688 1.103 .914 1.135 1.077 .435 1.047 .931

TABLE <sup>11</sup> .- PRESSURE COEFFICIENTS - Continued  $\left[ \delta_{S} = ^{-0*005} c; \ \delta_{d} = ^{-0*00375} c \right]$ 

			a	= 80		_	=		-	c	L = 100			
-	/-	]	Pressure	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$		x/c	F	ressure co	pefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	X/C	0.15	0.30	0.50	0.70	0.85	0.9
	•000	1.815	1.103	•715	1.127	.827	.890	•000	2.057	1.290	.824	1.366	•913	. 9
	.010	4 • 474	2.700	2.069	1.729	1.600	1.396	•010	4.564	2.644	2.048	1.752	1.603	1 . 2
	•030	2.225	2.725	2.060	1.715	1.616	1.331	.050	3.409	2.619	2.028	1.738	1.599	1.2
	•075	1.809	2.790	2.042	1.707	1.631	1.292	.075	2.174	2.616	2.020	1.738	1.599	1.2
	.100	1.719	2.794	2.034	1.697	1.628	1.262	.100	1.922	2.656	2.007	1.733	1.607	102
	.150	1.603	2.634	2.005	1.684	1.631	1.226	• 150 • 200	1.745	2.761	1.981	1.726	1.613	1 . 2
	•200 •250	1.513	2.117	1.987	1.665	1.612	1.208	.250	1.566	2.302	1.953	1.707	1.618	102
	• 300	1.413	1.336	1.944	1.618	1.556	1.187	.300	1.499	1.972	1.946	1.690	1.621	100
.	•350	1.388	1.267	1.886	1.587	1.525	1.181	.350	1.469	1.688	1.926	1.672	1.614	1.
Upper	•400	1.368	1.249	1.806	1.556	1.490	1.167	• 400	1.445	1.503	1.879	1.652	1.602	1.
d	• 450	1.333	1.267	1.718	1.519	1.459	1.170	• 450	1.411	1.407	1.827	1.629	1.580	1.
7	•500	1.321	1.237	1.631	1.469	1.423	1.131	.520	1.374	1.317	1.743	1.602	1.551	1.
	•520 •538	1.293	1.220	1.598	1.472	1.397	1.128	.538	1.381	1.411	1.742	1.602	1.541	1.
	•710	1.223	1.543	1.460	1.373	1.337	1.223	.710	1.263	1.561	1.594	1.454	1.375	1.
	.720	1.221	1.317	1.342	1.355	1.308	1.162	•720	1.268	1.331	1.487	1.454	1.375	1.
1	.740	1.218	1.253	1.304	1.320	1.290	1.113	•740	1.265	1.272	1.437	1.451	1.385	1.
	•760	1.209	1.226	1.282	1.299	1.281	1.093	• 760	1.252	1.247	1.423	1.441	1.383	1.
	•780	1.208	1.209	1.274	1.292	1.274	1.04	.780 .800	1.231	1.215	1.396	1.431	1.372	1.
	.800 .850	1.192	1.157	1.210	1.259	1.243	1.082	.850	1.194	1.177	1.349	1.408	1.365	1.
	950	1.104	1.101	1.118	1.173	1.170	•999	• 950	1.122	1.114	1.207	1.315	1.274	1.
	1.000	1.101	1.078	•978	1.144	1.141	•788	1.000	1.115	1.085	1.019	1.274	1.226	•
	•010	•175	• 351	•370	•426	•491	•532	•010	.110	• 333	• 355	.385	.434	:
	.030	• 312	•432	• 484	.536		•656	•030	• 225 • 325	• 377 • 450	• 445 • 512	• 471	1602	
	•050	•412 •498	•515 •595	•558 •644	•605 •672	•662 •704	•721 •783	.075	.419	• 528	.595	.612	0654	
	•075 •100	• 565	•655	•693	.739	•775	.819	.100	.489	•591	.644	.678	•725	
	.150	674	.757	•784	.811	.842	.851	.150	•602	.690	• 745	.753	•797	
	.200	•723	.837	.830	.867	•912	.880	• 200	.665	•772	.786	.821	.866	
	.250	•775	.890	.888	.909	• 948	.890	• 250	•727	.827	.850	.868	•914 •955	
	•300	.880	• 953	•941	•941	•986	•901	• 300	.814	• 893 • 945	• 902 • 929	0944	•990	
84	• 350	.961	•999	•965	• 972	1.013	•909 •917	• 350	.951	1.021	1.011	975	1.014	
Lower	• 400 • 450	.998 1.058	1.070	1.044	.991 1.025	1.057	.918	. 450	1.014	.996	• 997	1.006	1.042	
9	•500	1.063	1.043	1.066	1.025	1.068	.918	.500	1.023	1.042	1.043	1.018	1.055	
	•520	1.064	1.099	1.070	1.031	1.070	.905	•520	1.024	1.064	1.051	1.032	1.063	
- 1	.540	1.086	1.042	1.052	1.012	1.086	.883	•540	1.043	1.020	1.043	1.028	1.080	
	.710	1.165	1.106	1.065	1.083	1.176	•900	•710	1.140	1.080	1.057	1.100	1.088	:
	•740	1.141	1.106	1.072	1.056	1.078	•941 •935	•740	1.119	1.082	1.083	1.074	1.102	
	•760	1.136	1.112	1.084	1.052	1.087	.919	.780	1.135	1.091	1.055	1.078	1.109	
	•780 •800	1.152	1.111	1.050	1.054	1.083	•928	.800	1.107	1.064	1.062	1.081	1.109	
	.850	1.106	1.104	1.063	1.059	1.090	.913	• 850	1.096	1.093	1.073	1.098	1.120	
	•900 •950	1.104	1.091	1.066	1.073	1.096	•916 •924	• 900	1.095	1.082	1.084	1.128	1.135	
					1.000	1.110	* / 2 1							
	.560	1.304	1.301	1.562	1.436	1.378	1.154	•560	1.373	1.320	1.713	1.573	1.516	1
H	•580 •600	1.274	1.285	1.481	1.425	1.368	1.135	.600	1.340	1.315	1.645	1.565	1.504	10
Upper	•620	1.267	1.274	1.469	1.403	1.360	1.129	.620	1.326	1.305	1.624	1.548	1 . 497	1
5	•640	1.250	1.271	1 • 421	1.387	1.349	1.118	• 640	1.304	1.296	1.583	1.542	1 . 489	1
	.660	1.254	1.274			1.337	1.113	• 660	1.313	1.290	1 521	1.549	1.465	1
	•680 •690	1.243	1.267 1.237	1.368	1.369	1.332	1.115	•680 •690	1.292	1.293	1.531	1.537	1.491	1
ן	5.40		1 116	1.160				.560		1.118	1.222			
er	•560 •580		1.114	1.160	1.048	1.203	.864	• 560 • 580		1.118	1.222	1.124	1.253	
1 14	.600		1.138	1.178	1.053	1.217	.859	.600		1.144	1.242	1.132	1.262	
Lower	.620		1.159	1.198	1.063	1.179	.840	•620		1.165	1.264	1.140	1.218	
3	•640		1.143	1.201	1.048	1.118	•827	• 640		1.052	1.262	1.075	1.156	
	•660		1.046	1.134	1.003 .950	1.116	•821 •827	.660 .680		.881	1.140	1.021	1.156	
	.680 .690		.878 .883	1.086	• 952	1.117	.836	.690		.893	1.158	1.020	1.160	
	•560		1.338	1.122	1.185	1.178	.851	•560 •580		1.371	1:167	1:279	1.233	
H	•580		1.150	1.122 1.139 1.181	1.045	1.210	•862 •856	.600		1.149	1.240	1.154	1.256	
be	•620		1.072	1.202	1.061	1.161	.840	•620		1.077	1.259	1.137	1.199	
Up	.640		1.143	1.199	1.053	1.126	.832	• 640		1.152	1.264	1.130	1.171	
	•660		1.017	1.128	•994	1.120	•824 •815	•660 •680		0927	1.164	1.026	1.154	
Upper	•680 •688		•917 •903	1.106	•956 •956	1.113	.812	.688		.912	1.148	1.020	1.151	
	•560	1.182	1.396	1.164	1.234	1.169	1.014	•560	1.143	1.285	1.127	1.230	1.159	
3	•580	1.122	1.176	1.096	1.119	1.097	• 963	•580	1.081	1.137	1.073	1.113	1.088	
wer	•600	1.110	1.185	1.116	1.123	1.176	•956	•600	1.076	1.145	1.073	1.101	1.113	
Lower	•620	1.114	1.170	1.070	1.099	1.117	•955 •949	• 620 • 640	1.084		1.056	1.086	1.124	
Lo	•640 •660	1.117	1.160	1.070	1.083	1.122	•983	.660		1.085	1.057	1.076	1.109	
	# <b>6</b> 80	1.215	1.131	1.103	1.080	1.114	•970	•680	1.188		1.094	1.091	1.118	
		1.086	1.099	1.060	1.044	1.053	.951	. 499	1.092	1.072	1.055	1.059	1.062	

TABLE <sup>11</sup> .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_S=^{-0.005}c;\;\delta_d=^{-0.00375}c\right]$ 

120

*560	_				$\alpha = 12^{\circ}$							a = 140			
0.16 0.30 0.50 0.70 0.85 0.97		x/c		Pressure	coefficie	nt Cp a	at $\frac{y}{b/2} = .$	-	1-		Pressure	coefficient	C <sub>p</sub> at	$\frac{y}{h/2} = -$	- 1
-0.10		~~	0.15	0.30	0.50	0.70			x/c	0.15	0.30	0.50			0.97
-0.10		-000		1.264	024	1 524	007	1 070	000						
1.030						1.751									1.154
1.095				2.462	1.986	1.733									1.276
100   2.427   1.983   1.733   1.299   1.302   1.302   2.150   2.157   1.913   1.719   1.627   1.522   1.302   1.302   1.302   1.303   1.719   1.627   1.522   1.302   1.302   1.302   1.303   1.719   1.627   1.722   1.536   1.303   1.303   1.304   1.719   1.627   1.722   1.536   1.303   1.303   1.304   1.719   1.627   1.627   1.303   1.710   1.629   1.299   1.300   2.028   1.628   1.918   1.712   1.629   1.299   1.300   2.028   1.628   1.711   1.628   1.298   1.303   2.028   1.628   1.711   1.628   1.298											2.202		1.720		1.274
1900   2,457   1,952   1,732   1,929   1,300   1,300   2,317   2,182   1,900   1,722   1,636   1,900   1,772   1,624   1,304   1,304   1,304   1,304   1,304   1,304   1,304   1,304   1,304   1,305															1.281
1.200   2.446															1.292
1.250   2.881   1.927   1.728   1.951   1.305   1.256   2.200   2.188   2.180   1.894   1.721   1.655   2.200   2.188   2.180   1.224   1.655   2.200   2.188   2.180   2.200   2.188   2.180   2.200   2.188   2.180   2.200   2.188   2.180   2.200   2.188   2.180   2.200   2.188   2.180   2.20		•200													1.308
1.350   1.495   1.498   1.716   1.695   1.299   1.291   1.491   1.295   1.491   1.295   1.291   1.295   1.291   1.295   1.291   1.295   1.291   1.295   1.291   1.295   1.291   1.295   1.291   1.295   1.291   1.295   1.291   1.295   1.291   1.295   1.291   1.295   1.29										2.188	2.180	1.884	1.721		1.310
1.00														1.659	1.305
1.000   1.00	ler ler					1.709									1.301
1.000   1.00	Joh					1.694									1.279
**************************************	1 2				1.822		1.628	1.246	•500						1.269
1.710		•520						1.236							1.258
. 7700															1.258
. 7400 1.376 1.396 1.499 1.497 1.196	1-1														1.204
1.520				1.346	1.569										1.197
800												1.632			1.203
	6														1.208
	ac														1.203
	H														1.211
000   0329   0343   0367   0413   0476   030   030   0347   0364   0402   0403   0355   0403   0355   0403   0355   0403   0357   0403   040	S														1.131
100   107   108	lg								4						
1075   1075	B			• 329	•343	• 367	•413	• 476	•010	•080	.330	• 347	•364	•402	• 463 • 565
100							.567			• 183	. 395			. 5 2 4	•638
*** **********************************		•075		• 493	•554										•704
*** **********************************											•517				•758
*** **********************************	1 1														.810
*** **********************************															•847 •868
\$\begin{array}{c c c c c c c c c c c c c c c c c c c		•300													.887
1.020	14									.834					.901
1.020	M/e						1.004								•917
**520	13						1.055								•927
**************************************															o 940
1,070						1.030									924
**************************************						1.114	1.212								.943
**************************************													1.096		•984
*** *** *** *** *** *** *** *** *** **															•985
*** *** *** *** *** *** *** *** *** **															•976 •985
1.097	1 1				1.097							1.135			985
*950								•972			1.141				•999
1.537		•950		1.086	1.154	1.208	1.232	•987	• 950	1.127	1.158	1.226	1.247		1.017
1.537		•560		1.573	1.795				.560	1.525	1 020	1 014			
\$600	1 4						1.599	1.232	.580	1.502	1.830	1.801	1.701	1.651	1.256
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	8											1.795	1.713		1.252
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	ii n														1.253
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	ace				10,00	1.000						1.791	10/45		1.253
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	E	•680			1.682	1.681				1.401		1.825	1.772		1.258
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	SI	•690		1.392	1.676	1.663	1.623		•690						1.264
*** 620	ler	-540		1 107	1 070										
*** 620	O.	•580		1.135	1.272	1.160	1.307	.918	• 560		1.194	1.316	1.106	1.241	.040
*** **** **** ***** ******************	Sp	•600		1.150				•907	•600						•940
*** **** **** ***** ******************	BO						1.259	.880	.620						0900
*680	l j												1.189		•877
*690 *921 1.210 1.052 1.206 *869 *690 1.003 1.245 1.073 1.253 ***  *560 1.399 1.223 1.328 1.280 .918 ***  *580 1.170 1.248 1.154 1.308 .913 ***  *600 1.154 1.296 1.195 1.302 .906 ***  *600 1.154 1.296 1.195 1.302 .906 ***  *600 1.216 1.340 1.220 1.253 ***  *640 1.157 1.322 1.163 1.218 .862 ***  *640 1.157 1.322 1.163 1.218 .862 ***  *660 1.033 1.242 1.098 1.205 1.205 1.205 1.206 1.								•857							0876
**560															.881
1						1.002	14200	*****	.0,0		1.003	1 0 2 4 5	1.013	10255	•895
1					1.223	1.328	1.280	.918	• 560		1.508	1.266	1.370	1.331	. 938
0	H	• 580						•913	•580					1.363	938
0	18														0928
0	eg D														.895 .887
0	fa														.879
0	E I					1.062					1.011	1.256	1.083	1.242	.877
0	H	.000		• 929	1.205	1.052	1.193	.842	• 688		•991	1.242	1.073	1.240	•869
0.580   1.116   1.059   1.109   1.090   0.977   0.580   1.009   1.009   1.09	cto	•560		1.219	1.101	1.220	1.157	.994	.560	1.102	1.142	1.096	1.200	1.100	.000
0   0   0   0   0   0   0   0   0   0	le le	•580		1.116	1.059	1.109	1.090	977	.580	1.049	1.101	1.050	1.099	1.094	.993 .981
H S 020 1010 10003 10100 10120 0977 0620 10054 10105 10061 10097 10126	ler Ter								.600	1.043	1.115	1.079	1.113	1.181	0985
0 0640 10114 10049 10091 10130 0975 0640 10059 10107 10050 10091 10141	I M												1.097	1.126	.988
1 2560	日														•985
1.093 1.091 1.102 1.132 .995   .680 1.167 1.090 1.098 1.107 1.148		.680			1.091				• 680	1.167					1.022
100 1000 1000 1000															990
		1													

TABLE 11 .- PRESSURE COEFFICIENTS - Continued

 $\delta_{s} = -0.005 c; \delta_{d} = -0.00375 c$ 

- - 16

c = 18 C

T			Pressure		t Cp at	<u>y</u> = -			p	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	b/2 0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
-	- /	0.15	0.30	0.50	0.70	0,00	0.01		0.10	0,00	0.00	0.10	0.00	0,01
	.000	1.068	1.340	1.089	1.801	1.195	1.221	• 000		1.349	1.186	2.050	1.257	1.22
	•010	1.987	2.127	1.928	1.757	1.647	1.288	•010		1.978	1.949	1.725	1.618	1.25
	.030 .050	1.961	2.093	1.896	1.739	1.639	1.289	.050		1.945	1.905	1.727	1.615	1.26
	.075	1.976	2.084	1.882	1.738	1.634	1.290	.075		1.944	1.901	1.727	1.611	1.26
	.100	1.984	2.091	1.874	1.733	1.631	1.301	.100		1.951	1.892	1.722	1.611	1.26
	•150	1.987	2.084	1.871	1.736	1.636	1.310	• 150 • 200		1.955	1.893	1.722	1.611	1.27
	•200	1.980	2.074	1.862	1.734	1.640	1.317	• 250		1.951	1.890	1.717	1.616	1.28
	• 250 • 300	1.980	2.071	1.851	1.735	1.653	1.319	.300		1.951	1.886	1.716	1.621	1.28
.	•350	1.954	2.054	1.842	1.733	1.655	1.316	• 350		1.950	1.877	1.711	1.623	1.28
Upper	• 400	1.937	2.035	1.832	1.728	1.655	1.309	s 400		1.945	1.868	1.711	1.626	1.28
Jd.	• 450	1.910	2.008	1.822	1.722	1.658	1.304	• 450		1.939	1.847	1.712	1.630	1.28
۲	•500	1.894	1.965	1.811	1.720	1.660	1.297	•500 •520		1.928	1.849	1.718	1.640	1.2
	•520 •538	1.882	1.956	1.806	1.732	1.664	1.299	•538		1.927	1.854	1.736	1 . 648	1.28
	•710	1.747	1.856	1.636	1.538	1.536	1.238	•710		1.869	1.677	1.554	1.532	1.23
-	.720	1.733	1.821	1.632	1.547	1.547	1.231	.720		1.858	1.676	1.563	1.546	1.22
	•740	1.735	1.745	1.652	1.575	1.571	1.240	• 740		1.828	1.698	1.589	1.571	1.2
	•760	1.707	1.712	1.658	1.592	1.589	1.247	•760 •780		1.806	1.710	1.606	1.600	1.2
	• 780	1.703	1.697	1.661	1.601	1.601	1.256	.800		1.783	1.712	1.630	1.610	1.2
	.800 .850	1.670	1.689	1.663	1.612	1.620	1.265	.850		1.733	1.698	1.635	1.625	1.2
	• 950	1.424	1.460	1.528	1.544	1.556	1.196	. 950		1.584	1.596	1.577	1.578	1.2
	1.000	1.351	1.410	1.202	1.471	1.501	•925	1.000		1.542	1.267	1.511	1.531	.9
											244	0.70		
	.010	.038	• 342	• 354	• 365	• 405	• 468	.010		•343	• 364	· 372	•401	• 4
	.030	•124 •213	• 334 • 386	•376 •425	•399 •453	•515	•631	. 050		• 358	.406	0427	• 486	•6
	•050 •075	• 213	• 448	•488	.514	.566	.705	.075		• 414	• 466	.481	•532	• 6
	.100	.363	•498	•535	.573	.632	•752	.100		• 462	.511	•539	•597	• 7
	.150	• 472	•598	•631	•656	.708	.807	.150		• 557	•604	•622	•680	• 7
	.200	•536	•677	•682	•727	• 796	•855	• 200		.633	• 653 • 727	.697 .756	.817	.8
	.250	.601	.731	•749	•790	.848	•877 •899	• 250		•694 •763	.788	.801	875	. 8
	• 300	•686	.801	•810	.830 .881	•900 •951	•917	• 350		.827	.831	.858	.922	.8
H	• 350	• 775 • 838	•863 •950	•847 •939	•921	• 991	.937	.400		.918	. 922	.901	.965	. 9
W	•400 •450	• 906	•940	.935	.970	1.026	.947	• 450		.910	. 926	.948	1.003	09
Lower	•500	.935	1.002	.992	.994	1.057	•966	•500		• 97-8	. 988	•981	1.037	09
	•520	.941	1.037	1.013	1.009	1.069	•964	•520		1.020	1.008	•997	1.055	• 9
	•540	.959	1.027	1.028	1.029	1.099	•948	• 540		1.025	1.031	1.019	1.086	• 9
	•710	1.122	1.081	1.080	1.135	1.255	•975	• 710		1.085	1.108	1.114	1.138	1.0
-	•740	1.115	1.094	1.090	1.108	1.146	1.018	•740		1.122	1.140	1.123	1.164	1.0
	•760	1.123	1.114	1.124	1.118	1.166	1.021	.780		1.134	1.121	1.132	1.179	1.0
	•780 •800	1.128	1.099	1.120	1.138	1.183	1.019	.800		1.114	1.144	1.145	1.185	1.00
- }	.850	1.141	1.154	1.158	1.174	1.212	1.025	.850		1.185	1.188	1.185	1.221	1.0
	.900	1.183	1.182	1.215	1.222	1.257	1.044	• 900		1.229	1.253	1.243	1.269	1.00
	•950	1.225	1.214	1.274	1.285	1.332	1.064	• 950		1.279	1.319	1.312	1.344	1.0
				1 004				•560		1.917	1.855			
	•560 •580	1.871	1.912	1.806	1.744	1.674	1.294	• 580		1.918	1.856	1.757	1.658	1.2
H	•600	1.848	1.891	1.802	1.761	1.682	1.297	•600		1.912	1.860	1.774	1.672	102
Upper	•620	1.839	1.875	1.810	1.775	1.692	1.302	•620		1.910	1.871	1.798	1.687	103
Ur	•640	1.823	1.859	1.820	1.807	1.713	1.309	• 640		1.912	1.887	1.829	1.710	101
	•660	1.820	1.845			1.757	1.323	•660		1.912	1.911	1.870	1.777	1.
	•680	1.797	1.844	1.843	1.848	1.766	1.334	•680 •690		1.921	1.906	1.841	1.729	10
	•690	1.790	1.837	1.000	1.020	10177	10323	10,0						
Lower	•560		1.268	1.359				• 560 • 580		1.315	1.411			
3	.580		1.268	1.368	1.217	1.401	•979			1.342	1.418	1.232	1.409	
S. P.	•600		1.290	1.380	1.221	1.395	•969 •936	•600 •620		1.371	1.452	1.249	1.333	
Me	•620		1.317	1.401	1.230	1.333	•915	•640		1.359	1.453	1.236	1.290	
Ä	•640 •660		1.306	1.331	1.164	1.277	.914	.660		1.188	1.375	1.185	1.285	
	•680		1.010	1.254	1.099	1.274	•920	.680		1.034	1.297	1.113	1.281	
	. 690		1.059	1.268	1.099	1.284	.931	• 690		1.096	1.307	1.112	1.284	
										. 705			1 204	
	•560		1.627	1.310	1.416	1.376	•974 •977	• 560		1.735	1.360	1.446	1.384	
ы	•580		1.294	1.383	1.257	1.387	.965	.600		1.348	1.434	1.272	1.393	
be	•620		1.206	1.402	1.233	1.319	.933	•620		1.260	1 . 454	1.248	1.320	
dh	6640		1.312	1.409	1.223	1.295	• 925	• 640		1.362		1.240	1.303	:
	•660		1.132	1.327	1.150	1.282	•916	• 660		1.089		1.171	1.283	:
Upper	•680		1.060	1.291	1.110	1.272	•914	•680 •688		1.089		1.109	1.274	
1	•688		1.041	1.2//	1.098	1 8 2 0 4	. 707			20012		/		
3	1	1.062	1.120	1.070	1.208	1.153	1.020	•560		1.101	1.058	1:192	1.138	1.
Wer	•580	1.016	1.092	1.037	1.099	1.100	1.012	•580		1.077	1.034	1.085	1.176	1.
Sr CE	•600	1.016		1.070	1.118	1.187	1.016	•600 •620		1.096		1.096	1.124	1.
ower	•620	1.028		1.053 1.042	1.03	1.136	1.018	.640		1.0.96		1.090	1.139	1.
S	•640 •660	1.040		1.042	1.092	1.137	1.054	.660		1.064	1.059	1.091	1.133	1.
	•680	1.158	1.072	1.099	1.116	1.164	1.040	.680		1.092	1.110	1.116	1.157	1.
				1.063	1.086	1.103	1.020	• 688		1.066	1.075	1.086	1.101	1 .

TABLE 11 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.005 \, c; \, \delta_{d} = -0.00375 \, c\right]$ 

 $\alpha = 20^{\circ}$ 

a = 220

			. a			+ V	_				α = 22	O ot	V	
	/0		Pressure	coefficien	t Cp a	$t \frac{y}{b/2} = -$	-	/-	P	ressure c	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	•000		1.348	1.233	1.965	1.357	1.249	• 000		1.319	1.200	1.757	1.406	1.273
	•010		1.870	1.903	1.718	1.616	1.259	•010		1.757	1.827	1.645	1.597	1.268
	•030 •050		1.842	1.885	1.698	1.608	1.257	•030		1.733	1.795	1.631	1.591	1.268
	•075		1.840	1.849	1.700	1.606	1.264	.075		1.728	1.764	1.633	1.590	1.271
	•100		1.845	1.842	1.696	1.606	1.264	•100		1.737	1.766	1.631	1.589	1.272
	•150		1.854	1.845	1.695	1.607	1.272	• 150		1.744	1.766	1.631	1.594	1.278
	.200		1.851	1.842	1.689	1.608	1.276	•200		1.742	1.757	1.630	1.596	1.283
	•250		1.856	1.845	1.689	1.608	1.279	• 250		1.747	1.759	1.630	1.601	1.286
	•300		1.863	1.840	1.690	1.622	1.284	350		1.761	1.758	1.637	1.612	1.292
Upper	•400		1.866	1.835	1.692	1.629	1.283	• 400		1.770	1.757	1.644	1.620	1.296
Jpi	•450		1.872	1.831	1.697	1.630	1.288	• 450		1.778	1.762	1.655	1.629	1.299
	•500		1.874	1.826	1.715	1.638	1.290	•500		1.787	1.767	1.672	1.635	1.307
	•520 •538		1.873	1.831	1.719	1.641	1.293	•520 •538		1.784	1.768	1.674	1.638	1.303
	.710		1.859	1.668	1.570	1.556	1.248	.710		1.784	1.638	1.544	1.571	1.272
	•720		1.846	1.669	1.575	1.562	1.239	•720		1.778	1.643	1.548	1.570	1.261
	•740		1.813	1.687	1.600	1.586	1.0255	•740		1.741	1.656	1.570	16589	1.278
	•760		1.805	1.705	1.619	1.603	1.265	• 760		1.739	1.673	1.584	1.608	1.284
6	•780 •800		1.800	1.710	1.631	1.613	1.270	• 780 • 800		1.739	1.686	1.597	1.619	1.294
ac	•850		1.797	1.713	1.653	1.640	1.275	.850		1.737	1.682	1.624	1.640	1.307
Surface	•950		1.667	1.615	1.614	1.602	1.228	. 950		1.680	1.630	1.603	1.623	1.260
02	1.000		1.614	1.298	1.557	1.571	•960	1.000		1.627	1.333	1.551	1.599	•987
Wing														
M	•010		•343	•373 •353	•386 •375	• 411	•461	•010		• 344	• 376	•391 •365	• 425	•467 •520
	.050		•338	•382	• 409	• 460	•596	• 050		•319	.372	.395	• 452	•589
	.075		.391	.435	.460	.505	•666	.075		.366	• 421	0443	.489	•656
	.100		• 434	•477	.513	•568	•715	•100		• 406	• 463	•493	•550	•705
	•150		•524	•565	•594	• 644	•772	•150		• 493	•550	•572	•631	•769
	•200 •250		•605	.619 .690	•668 •734	•734	•827 •853	•200 •250		• 572 • 630	.608 .675	•641	•717 •775	•823 •850
	•300		•734	.753	.780	.846	.876	•300		.699	•737	.755	.828	.869
N N	•350		.801	•798	.841	.901	.898	• 350		.763	• 783	.811	.883	.896
Lower	•400		.889	.893	.885	• 948	•918	• 400		.848	.879	.859	•939	•923
1 3	•450		.893	•900	•941	•991	• 941	• 450		.862	.890	•913	•979	•944
-	•500		.963 1.006	• 965	•970	1.026	•958	•500		• 935 • 972	•950 •978	• 950 • 973	1.016	•969
	•520 •540		1.014	•990 1•011	.992 1.016	1.078	•952	•540		.980	1.006	992	1.073	956
	.710		1.091	1.086	1.148	1.266	•986	•710		1.073	1.091	1.132	1.268	•998
	•740		1.113	1.102	1.130	1.147	1.027	•740		1.098	1.108	1.110	1.150	1.040
	•760		1.138	1.141	1.139	1.172	1.030	• 760		1.127	1.148	1.122	1.179	1.044
	•780		1.149	1.122	1.148	1.185	1.023	• 780		1.139	1.131	1.132	1.189	1.036
	•800 •850		1.133	1.142	1.165	1.194	1.038	. 800		1.124	1.149	1.150	1.200	1.051
	•900		1.274	1.264	1.205	1.285	1.064	• 900		1.278	1.276	1.259	1.297	1.084
	•950		1.338	1.339	1.348	1.372	1.092	950		1.350	1.354	1.342	1.388	1.116
	•560 •580		1.873	1.842				•560		1.795	1.785			
I I	•580				1.763	1.658	1.311	•580		1.803	1.815	1.722	1.672	1.329
odc	•600 •620		1.878	1.857	1.809	1.676	1.317	•620		1.806	1.838	1.758	1.684	1.339
de:	•640		1.883	1.900	1.840	1.710	1.328	.640		1.811	1.869	1.780	1.697	1.345
ac	•660		1.881			1.775	1.338	•660		1.810			1.730	1.352
Inf	•680		1.891	1.921	1.858	1.732	1.347	•680		1.819	1.888	1.785	1.706	1.349
surface: Upper	•690		1.895	1.911	1.841	1.718	1.337	• 690		1.822	1.878	1.774	1.696	1.346
Spoiler														
Oil	•560 •580		1.312	1.408	1.241	1.427	•985	• 560		1.270	1.388	1.211	1.416	•996
Sp	•600		1.335	1.431	1.247	1.406	• 973	.600		1.291	1.406	1.215	1.415	0979
Sl	•620		1.364	1.456	1.258	1.348	•941	•620		1.318	1.430	1.224	1.349	•946
L	•640		1.350	1.456	1.246	1.303	•924	• 640		1.304	1.434	1.212	1.298	•928
	•660 •680		1.180	1.380	1.194	1.298	•923	•660		1.136	1.363	1.094	1.292	•931 •937
	. 690		1.094	1.306	1.116	1.297	•943	.690		1.059	1.292	1.094	1.292	953
	- 100												/-	
	•560		1.749	1.362	1.464	1.404	•975	• 560		1.704	1.345	1.431	1.400	.981
H	•580		1.357			1.422	• 983	• 580			1.360	1.208	1.422	0994
be	•600		1.343	1.433	1.285	1.409	•971	•600		1.297	1.410	1.248	1.405	•976
Up Up	•620		1.357	1.459	1.252	1.319	•943	.640		1.306	1.434	1.228	1.307	•937
surface: Upp	•660		1.147	1.370	1.175	1.297	•927	• 660		1.106	1.345		1.294	•933
nr.	•680		1.082	1.330	1.130	1.290	•927	• 680		1.046	1.305	1.104	1.290	•930
CO.	•688		1.067	1.317	1.118	1.289	•919	• 688		1.030	1.301	1.095	1.288	•925
Deflector	E		1 000	1 004	1 104	, ,,,,	1 000			1 65.				
ec	•560 •580		1.090	1.034	1.196	1.131	1.024	• 560 • 580		1.054	1.030	1.169	1.126	1.029
efi	•600		1.089	1.055	1.108	1.174	1.018	.600		1.060	1.053	1.087	1.168	1.028
Dow	•620		1.086	1.045	1.098	1.119	1.023	•620		1.058	1.040	1.080	1.118	1.033
Lo Lo	•640		1.094	1.036	1.098	1.137	1.019	•640		1.072	1.034	1.076	1.136	1.034
	.680		1.064		1.099	1.129	1.058	•660		1.045	1.051	1.077	1.130	1.075
	•680 •688		1.095		1.097	1.101	1.048	•680		1.075	1.102	1.079	1.157	1.065
1			1.010	1.000	10071	1.101	1.020	.000		1.001	1.000	10019	1.102	1.037
_														

TABLE <sup>11</sup> .- PRESSURE COEFFICIENTS "Concluded  $\left[\delta_{\text{S}}=^{-0*005}\text{c};\;\delta_{\text{d}}=^{-0*00375}\text{c}\right]$ 

 $\alpha = 23$ 

a. = \* 0

_				= 23 0	. 0 -1	V					α = *	C of	V	
1	x/c	]	Pressure	coefficien	t Cp at	$\frac{y}{b/2} = -$		x/c	P	ressure o	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	A/ C	0.15	0.30	0.50	0.70	0.85	0.97	11/0	0.15	0.30	0.50	0.70	0.85	0.9
	•000	1.013	1.345	1.222	1.715	1.421	1.262	.000						
-	.010	1.670	1.709	1.771	1.634	1.583	1.258	.010						
	•030	1.648	1.696	1.745	1.629	1.581	1.257	• 030						
	•050	1 . 645	1.693	1.735	1.632	1.580	1.258	• 050 • 075						
	.075 .100	1.641	1.697	1.731 1.733	1.630	1.581	1.257	.100						
		1.649	1.712	1.735	1.630	1.586	1.265	•150						
	.200	1.644	1.715	1.731	1.631	1.585	1.270	• 200						
	.250	1.651	1.725	1.733	1.635	1.595	1.270	• 250						
	•300	1.656	1.733	1.734	1.641	1.598	1.275	• 300 • 350						
H		1.667	1.742	1.735	1.644	1.606	1.285	. 400						
Upper	• 400 • 450	1.695	1.760	1.741	1.659	1.620	1.291	• 450						
5		1.709	1.769	1.750	1.673	1.630	1.297	•500						
	•520	1.712	1.773	1.755	1.684	1.634	1.300	• 520						
		1.711	1.781	1.766	1.700	1.640	1.306	•538						
		1.746	1.769	1.644	1.559	1.565	1.270	•710 •720						
	•720 •740	1.748	1.724	1.658	1.578	1.590	1.273	• 740						
	.760	1.741	1.724	1.673	1.597	1.603	1.283	.760						
	• 780	1.735	1.727	1.684	1.612	1.610	1.288	• 780						
	.800	1.737	1.732	1.689	1.624	1.618	1.288	.800						
	.850	1.742	1.737	1.694	1.637	1.637	1.300	.850						
	• 950	1.713	1.702	1.657	1.620	1.622	1.262	1.000						
	1.000	1.642	1.655	1.385	1.566	1.598	•995	1.000						
	.010	• 020 • 080	•355 •282	•397 •349	•400 •364	• 429	.468 .507	.010 .030						
	.050	.156	.304	•367	.389	• 443	•572	• 05 0						
	.075	.235	• 346	•408	.431	• 483	•643	• 075						
	•100	. 295	• 389	•448	• 482	•539	•690	• 100 • 150						
	• 150	• 398 • 456	• 472 • 550	•534 •592	•555 •629	.619 .699	•754 •808	•200						
	•200 •250	• 523	.608	•662	.691	.764	.834	• 250						
	•300	.605	.678	•723	•738	.814	•865	• 300						
21	.350	•698	•739	•774	.800	.873	.882	• 350						
Lower	•400	•748	.823	.870	.848	•919	•910	• 400						
Q	• 450	•827	.841	.881	•906	• 968	•934	• 450						
-	•500	•863	•917	•955 •974	• 945 • 960	1.010	•961 •954	•500 •520						
	•520	.873 .899	• 956 • 967	1.002	• 989	1.060	•949	•540						
	•540 •710	1.092	1.071	1.101	1.135	1.260	•996	.710						
	.740	1.096	1.098	1.119	1.113	1.143	1.032	•740						
1	.760	1.107	1.125	1.162	1.127	1.170	1.041	• 760						
	.780	1.147	1.143	1.142	1.140	1.184	1.029	.780						
	.800	1.131	1.127	1.162	1.153	1.193	1.047	.800						
	.850	1.168	1.225	1.222	1.203	1.232	1.054	• 850 • 900						
	•900 •950	1.248 1.354	1.293	1.296 1.382	1.267	1.385	1.122	950						
	•560	1.714	1.788	1.775				•560						
	•580	1.718	1.789	1.786	1.727	1.655	1.322	• 580						
er	.600	1.728	1.794	1.805	1.743	1.669	1.321	•600						
pper	.620	1.729	1.797	1.832	1.760	1.685	1.327	•620						
P	•640	1.734	1.804	1.860	1.778	1.695	1.334	• 640						
19	.660	1.734	1.802	1 001	1.780	1.723	1.339	•660						
om race.	•680 •690	1.741 1.743	1.811	1.881	1.763	1.682	1.333	.690						
1	. 5.40		1.261	1.395				.560						
Lower	•560		1.261	1.404	1.217	1.414	• 985	• 560 • 580 • 600						
er	.600		1.284	1.413	1.223	1.408	•965 •935	.620						
MO	.620		1.313	1.436	1.232	1.294	•917	.640						
ŭ	•640 •660		1.124	1.367	1.166	1.288	.921	•660						
	.680		•990	1.277	1.096	1.286	•928	.680						
	•690		1.052	1.296	1.099	1.295	•944	. •690						
	•560		1.695	1.351		1.387	•972	• 560						
ы	•580		1.304	1.364	1.211	1.417	•980 •964	.580 .600						
be	•620		1.290	1.419	1.231	1.322	•930	•620						
Upper	•640		1.300	1.445	1.221	1.306	•924	•640						
d l	.660		1.097	1.349	1.147	1.292	•919	•660						
3	•680		1.040	1.311	1.103	1.287	•917	• 680						
2	•688		1.022	1.306	1.095	1.284	•913	•688						
wer Up	•560	• 996	1.042	1.026	1.161	1.107	1.019	•560 •580						
r Le	•580 •600	•951 •960	1.026	1.012	1.058	1.156	1.021	•600						
Vel	•620	• 979	1.053	1.045	1.075	1.106	1.025	•620						
Def Lower	•640	• 992	1.063	1.040	1.074	1.126	1.025	• 640						
Н	# 60	1.038	1.041	1.056	1.075	1.122	1.069	a 660						
	•680	1.122	1.071	1.109	1.106	1.149	1.056	• 680						
	•688	1.203	1.049	1.075	1.078	1.095	1.031	•688						

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TABLE 12 .- PRESSURE COEFFICIENTS

 $\left[\delta_{s} = -0.010 \text{ c}; \delta_{d} = -0.00750 \text{ c}\right]$ 

 $\alpha = -2$ 

				α = -4	+ 0	+ V					a = -2	C <sub>n</sub> at	У	
	x/c		Pressure	coefficier	nt Cp a	at $\frac{y}{b/2} = -$	_	x/c		Pressure		Р	b/2	
		0.15	0.30	0.50	0.70	0.85	0.97		0.15	0,30	0.50	0.70	0.85	0.97
Surface: Upper	.000 .010 .030 .050 .075 .100 .250 .250 .350 .400 .520 .538 .710 .740 .740 .760 .860 .860 .950	*659 *827 *890 *898 *928 *928 *945 1.000 1.003 1.003 1.003 1.003 1.003 1.003 1.004 1.004 1.008 1.008 1.009 1	2.255 .595 .789 .855 .989 .962 .9962 .005 1.002 1.003 1.003 1.003 1.003 1.073 1.021 1.003 1.073 1.073 1.071	3.661 .543 .733 .813 .885 .906 .979 .995 1.015 1.032 1.036 1.019 1.008 .993 .958 1.379 1.4206 1.472 1.4152 1.4152 1.4190	2 485 468 679 679 6822 868 931 974 987 1 006 1 022 1 038 979 1 023 1 018 1 018 1 023 1 023	2.193 .422 .674 .677 .634 .879 .958 .994 1.013 1.036 1.023 1.023 1.023 1.020 1.235 1.214 1.225 1.176 1.122 1.036	.808 .493 .696 .770 .809 .842 .870 .891 .894 .901 .894 .901 .140 1	**000 **010 **030 **050 **075 **100 **150 **200 **350 **400 **450 **520 **520 **710 **720 **740 **760 **780 **850 **850 **850 **850 **850 **850	*308 1.010 1.032 1.054 1.025 1.075 1.075 1.102 1.099 1.099 1.099 1.095 1.095 1.095 1.104 1.116 1.116 1.116 1.116	.904 .951 1.019 1.029 1.044 1.061 1.071 1.079 1.084 1.091 1.099 1.992 1.084 1.065 1.051 1.271 1.271 1.271 1.085	1.832 .783 .917 .958 .992 1.016 1.043 1.058 1.066 1.080 1.080 1.066 1.083 1.009 1.046 1.033 1.009 1.445 1.385 1.225 1.184 1.146 1.146 1.098	.917 .937 .997 .958 1.007 1.041 1.060 1.065 1.077 1.088 1.078 1.087 1.043 1.054 1.045 1.425 1.389 1.238 1.187 1.166 1.166	1.203 .639 .885 .922 .967 .995 1.046 1.054 1.084 1.085 1.086 1.085	4 262 6 48 4 792 8 355 8 355 8 376 8 890 8 993 9 900 9 901 8 896 8 897 8 862 8 897 8 104 1 4 104 1 4 107 1 6 104 9 8 9 3 9 9 9 3 9 9 9 9 3 9 9 9 9 3 9 9 9 3 9 9 9 9 3 9 9 9 9 9 9 9 9 9 9 8 5 3 8 8 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
Wing S	1.000  .010 .030 .050 .075 .100 .200 .300 .350 .400 .450 .520 .540 .710 .760 .760 .800 .800 .800 .900	952 1.492 1.284 1.284 1.194 1.250 1.250 1.250 1.256 1.256 1.256 1.376 1.369 1.316 1.310 1.304 1.210 1.210 1.210	1.697 1.499 1.399 1.348 1.335 1.349 1.349 1.371 1.401 1.293 1.260 1.225 1.220 1.228 1.222 1.221 1.184 1.183 1.183	1.987 1.667 1.565 1.535 1.438 1.364 1.364 1.371 1.373 1.373 1.373 1.373 1.373 1.375 1.313 1.292 1.261 1.175 1.175 1.175 1.146 1.18 1.18	2648  20137 10734 10603 10499 10393 10359 10359 10208 101208 101208 101208 10101 10091 10086 10066 10099 952	.625 2.062 1.618 1.464 1.490 1.329 1.317 1.279 1.264 1.255 1.234 1.106 1.115 1.096 1.115 1.098 1.091 1.095 1.095	1.592 1.285 1.185 1.118 1.074 1.019 1.019 1.005 1.988 1.987 1.977 1.974 1.947 1.947 1.947 1.947 1.947 1.947 1.949	1.000  .010 .030 .050 .075 .100 .150 .290 .350 .400 .450 .500 .520 .710 .740 .760 .780 .880	1.134 1.076 1.006 1.0056 1.017 1.147 1.125 1.220 1.220 1.225 1.323 1.333 1.327 1.333 1.327 1.283 1.290 1.255	1.070 1.290 1.202 1.202 1.197 1.203 1.255 1.281 1.274 1.300 1.314 1.270 1.211 1.211 1.212 1.216 1.209 1.173 1.182 1.182	16518 163740 163740 16375 16289 16285 16281 16302 16277 16328 16277 16328 16270 16152 1615	1.618 1.612 1.261 1.261 1.278 1.278 1.278 1.278 1.224 1.224 1.227 1.189 1.140 1.080 1.081 1.095 1.081 1.081 1.081	1.654 1.391 1.267 1.303 1.224 1.225 1.225 1.221 1.203 1.160 1.134 1.061 1.065 1.069 1.095	1 0 3 1 4 1 0 1 0 1 0 1 1 1 0 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.089 1.068 1.068 1.074 1.054 1.097 1.079	1.058 1.094 1.082 1.089 1.097 1.107 1.116 1.100	1.051 1.047 1.064 1.094 1.110	1.095 1.086 1.060 1.071 1.118 1.112	1.050 1.091 1.110 1.127 1.141 1.159 1.162	.916 .906 .910 .914 .917 .931	.560 .580 .600 .620 .640 .660 .680	1.114 1.096 1.091 1.095 1.077 1.115 1.100	1.092 1.138 1.126 1.126 1.136 1.152 1.147 1.123	1.046 1.066 1.087 1.120 1.135	1.129 1.115 1.092 1.101 1.144 1.154	1.058 1.099 1.112 1.134 1.155 1.177 1.172	6905 6889 6888 6893 6900 6935 6932
Spoiler	•560 •580 •600 •620 •640 •660 •680 •690		1.095 1.095 1.109 1.111 1.088 1.032 .932 .899	1.101 1.106 1.108 1.089 1.056 1.013	1.074 1.092 1.102 1.088 1.048 .999	1.110 1.113 1.087 1.045 1.045 1.008 .996	.863 .866 .869 .863 .855 .828	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690		1.093 1.101 1.115 1.127 1.099 1.023 .881 .843	1.071 1.075 1.083 1.091 1.083 1.055 .972	1.076 1.092 1.104 1.088 1.051 .982	1.091 1.087 1.069 1.020 .971 .962	.834 .840 .838 .831 .817 .797
r surface: Upper	.560 .580 .600 .620 .640 .660 .680		1.218 1.121 1.113 1.045 1.090 1.019 .927	1.085 1.073 1.107 1.102 1.085 1.048 .994	1.129 1.067 1.117 1.098 1.096 1.045 .995	1.178 1.109 1.108 1.073 1.044 1.007 .989	1.203 .861 .871 .867 .866 .842 .800	.560 .580 .600 .620 .640 .660 .680		1.294 1.132 1.119 1.037 1.101 1.002 .870 .843	1.065 1.050 1.086 1.100 1.075 1.041 .953	1.070 1.070 1.121 1.100 1.093 1.036 .959	14233 10092 10084 10057 10027 982 956 943	1.077 .831 .838 .837 .829 .808 .770
Deflector	.560 .580 .600 .620 .640 .660 .680	1.461 1.405 1.391 1.384 1.376 1.388 1.412 1.147	2.240 1.587 1.424 1.375 1.344 1.285 1.274	1.852 1.430 1.384 1.315 1.267 1.231 1.216	1.932 1.373 1.310 1.251 1.217 1.172 1.151 1.107	1.757 1.293 1.292 1.219 1.195 1.150 1.131 1.064	1.667 1.030 1.022 1.017 1.001 1.032 1.013 .981	.560 .580 .600 .620 .640 .660 .688	1.416 1.350 1.334 1.335 1.319 1.342 1.392	2.089 1.593 1.374 1.339 1.315 1.258 1.256 1.217	1.853 1.373 1.342 1.281 1.229 1.201 1.194 1.138	1.972 1.333 1.281 1.232 1.196 1.158 1.143 1.104	1.801 1.257 1.268 1.201 1.179 1.142 1.125 1.048	1.546 .995 .954 .947 .934 .956 .939

TABLE  $^{12}$  .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{\text{S}}=^{-0*010}\text{c};\;\delta_{\text{d}}=^{-0*00750}\text{c}\right]$ 

Pressure coefficient  $C_p$  at  $\frac{V}{b/2} = -$ Pressure coefficient  $C_p$  at  $\frac{y}{b/2} =$ x/c 0.30 0.70 0.85 0.97 0.15 0.30 0.50 0.70 0.85 0.97 .401 .000 .200 .000 . 30E .508 1.908 1.832 .010 1.358 1.381 1.232 1.187 1.197 .831 .010 1.819 2.034 1.827 1 . 286 1.160 ·894 .030 1.469 1.587 1.521 1.435 1.0111 1.180 1.151 1.506 .030 1.402 1.151 +050 1.227 1,207 1.166 1.182 1.147 1 . 366 1.325 1.135 1.157 .895 a 075 1.305 1.340 1.342 0990 1 . 345 1.321 1 4 321 1.283 1979 .100 1.157 1.189 1.274 1 . 285 .150 1.166 1.165 1.148 1.153 1.177 4907 a 150 1.274 1 . 286 1.274 .963 1.144 ·200 •250 1.246 1.256 1.143 .905 1.250 1.254 1.227 . 950 .200 940 10137 .903 1 . 225 .250 1.170 1.145 1.136 1.140 1.152 1.158 1.150 907 .300 1,220 1.228 1.235 1.217 1.202 1.209 .350 1 . 215 1.206 1.209 935 1.148 1.143 4350 1.153 0923 •400 •450 •500 1.191 1.172 1.155 1.137 1.135 1.125 1.136 .896 . 400 1.215 1.196 .901 .863 . 45u 1.166 1.133 1.108 1.121 1.201 1 . 182 1.156 1.156 923 1.144 1.127 1.102 1.086 1.113 1.079 1.067 1.4482 1.066 .851 -520 1.157 1 . 125 1.106 1.113 1.092 .856 .538 1.179 1.165 1.024 1.083 1.192 1.070 1.104 1.104 .859 .538 1.137 1.544 1.515 1.660 .710 1.117 1.610 1.520 1.489 1.422 1.100 .720 1.443 1.441 1.412 1.418 1.101 .720 1.160 1.497 1.475 1.477 1.438 1.118 1.132 .740 1.250 1.275 1.284 1.275 .740 1.140 1.254 1.239 1.026 1.181 1.204 1.190 1.190 .970 .760 1.159 1.198 1.215 1.206 1.203 1.006 1.133 1.178 1.162 1.173 1.179 0971 1.159 1.170 .941 .780 1.151 1.174 1.130 1.145 1.158 1.152 1.135 .914 .800 1.149 1.163 1.167 1.159 1.150 .937 .800 .850 .861 . 850 1.135 1.130 1.134 1.120 1.106 .890 1.115 1.116 .857 4950 1.085 1.075 1.053 1.045 1.032 .833 . 950 1.092 1.085 1.056 1.043 1.000 1.074 .770 1.014 .910 .638 1.000 1.111 1.078 . 841 1.030 4952 +684 Wing .947 1.001 1.020 1.063 1.103 1.118 1.137 1.115 1.126 1.124 1.100 1.057 1.001 . 865 . 896 .802 ·776 .010 0612 . 717 .732 .838 · 896 . 958 ·873 1.144 . 050 . 832 .913 .050 . 924 1.051 .986 .970 . 896 . 986 971 1.188 1.125 1.078 .075 .818 ·861 -100 4 945 . 996 991 1.031 .901 971 1.137 .100 . 150 1.090 1.031 .150 1.061 1.149 1.210 1.156 1.105 .944 ·951 1.165 1.173 1.159 - 200 . 948 1.100 1.054 1.067 1.085 .916 .200 0912 .250 .980 1.116 1.106 1.086 1.099 4250 1.060 1.195 1.195 1.193 1.153 1.225 1.147 1.102 1.117 1.231 1.175 1.155 .931 .300 1.092 1.155 .300 .928 . 350 1.183 1.140 1.115 14129 4914 1.166 1.183 A350 1.214 1.251 1.212 .919 Lower 1.298 1.274 1.175 1.188 1.239 1.251 1.163 .931 4400 • 450 • 500 .925 1.238 1 4 185 1.164 1.130 1.132 .917 450 1.293 1.179 .891 1.112 1 . 198 1.231 .500 1.282 1.238 1.225 1.143 1.135 .892 861 a 520 1.225 1. 185 1.155 1.095 1.093 .867 1.211 1.195 1.107 1.272 ·520 1.064 .801 .540 1.082 •540 •710 1.288 1.096 1.097 1.038 1.026 .792 1.240 1.097 1.185 1.135 1.100 1.104 .848 .710 1.282 1.160 1.106 1.084 .843 1.315 . 740 1. 165 1.123 1.063 1.054 .891 .885 1 . 246 1.079 1.061 .740 1.279 1.189 1.144 .891 1.265 1.145 1.077 1.073 . 885 .760 1.235 1 4 173 1.120 1.063 1.071 . 780 1.249 1.166 1.092 1.059 1.070 .877 1.072 .877 1.189 1.111 .780 1.278 1.132 1.056 .800 1.242 1.150 1.110 1.068 1.063 .875 .800 1.213 1.057 1.055 . 868 · 850 • 900 1.184 1. 151 1.089 1.048 1.053 . 869 1.099 .850 1.206 1.076 1.037 1.043 858 -900 1.188 1.133 1.084 1.045 1.039 .859 1.026 1.042 .871 1.032 .879 . 950 1.140 1.091 1.060 1.025 .950 1.149 1.062 1.133 1.104 · 560 1.187 1. 165 1.139 .560 1.151 1.094 .909 1.157 .898 1.167 1.158 · 895 1.147 .600 1.160 1.180 1.150 1.158 1 · 125 .882 .600 1.148 1.121 1.136 1.166 1.132 1.111 1.150 .884 .620 1.157 14178 .620 . 889 1 . 185 1.174 1.143 1.168 .898 4640 1.109 1.150 1.153 1.120 1.158 1.173 .903 1.156 1.160 1.184 1.141 .892 . 66U 1.170 1.156 1.177 1 - 366 925 a 680 14189 1.184 4929 1.128 .680 1.162 1.165 1.159 690 . 690 1.136 1.137 1.150 1.165 1.165 . 939 1.091 1.091 1.099 1.091 1.115 1.125 1.143 1.133 · 560 1.084 .808 1.090 1.057 1.052 .809 . 600 1.163 1.097 1.102 1.096 .809 .785 .811 1.068 4600 1.149 1.107 1.079 1.047 . 620 1.084 . 998 .787 - 640 10114 1.113 1.078 1.012 .764 1.104 .640 . 982 . 801 +946 +988 · 743 . 660 .660 .680 1.000 1.077 1.060 . 940 4773 974 . 974 .920 .831 .974 . 914 .760 4680 . 690 . 808 . 923 . 927 .772 .783 .928 . 963 .690 .815 1.388 1 050 1.476 -560 1.00 1.230 1.209 .999 1.352 -580 1.054 1.049 1.103 1.00 .811 .600 .600 1. 165 1.102 1.148 1.082 4806 1.063 • 788 • 765 • 742 1.027 . 620 1.123 1.087 1.048 .620 1.010 • 996 • 943 • 910 1.110 .640 .660 1.103 1.097 1.098 .781 . 640 . 660 • 952 • 827 4 989 1.061 .772 1.072 4952 . 680 947 961 .680 .837 .948 .739 .816 .916 .897 .729 · 688 . 809 a 881 .904 4695 Deflector Lower 1.954 1.551 1.326 1.742 1.211 1.245 1.512 .981 .941 •560 •580 1.385 1.298 · 560 14872 1.839 1.279 1.342 1 888 1.686 1.185 1.215 941 1.271 1 . 257 .600 .620 1.302 1.303 1.239 1 · 254 1 · 244 1 · 193 1.295 1.244 1.197 .620 1.261 1.304 1.174 . 932 1.205 915 . 640 . 660 1.255 1.162 1.137 1.167 1.151 .911 .640 1.291 .928 •660 •680 1.317 1.228 1.169 1.130 1.128 1.078 1.034 ·914 - 680 1.346 1.197 1.140 1.095 1.113 .911 1.107 1.088 1.056 1.023 1.119 1.190 1.114

TABLE 12 .- PRESSURE COEFFICIENTS - Continued

 $\delta_{s} = -0.010 \text{ c}; \delta_{d} = -0.00750 \text{ c}$ 

				a = 4 °		Ls		-, a	٦		α = <b>6</b> <sup>0</sup>			
	/-		Pressure	coefficien	it C <sub>p</sub> a	$t \frac{y}{b/2} = -$	-	x/c	F	ressure o	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	X/C	0.15	0.30	0.50	0.70	0.85	0.97
Surface: Upper	.000 .010 .030 .050 .075 .100 .200 .350 .350 .400 .450 .520 .538 .710 .720 .740 .760 .850 .850 .850 .950	.736 2.832 1.842 1.670 1.4499 1.4451 1.408 1.350 1.297 1.226 1.227	.517 2.491 2.171 1.822 1.587 1.505 1.403 1.361 1.326 1.315 1.294 1.268 1.252 1.214 1.196 1.255 1.685 1.527 1.272 1.199 1.186 1.151 1.104 1.094	364 1.868 1.7782 1.685 1.685 1.694 1.494 1.343 1.317 1.279 1.222 1.186 1.172 1.186 1.474 1.272 1.219 1.194 1.174 1	*818 1.812 1.748 1.670 1.607 1.516 1.927 1.358 1.226 1.229 1.226 1.187 1.196 1.189 1.493 1.470 1.208 1.185 1.208 1.185 1.208 1	.387 1.620 1.629 1.595 1.595 1.539 1.478 1.406 1.285 1.225 1.225 1.226 1.226 1.226 1.227 1.127 1.124 1.137 1.124 1.137 1.124 1.137 1.262 1.190 1.159 1.159 1.159 1.169 1	.597 1.470 1.330 1.251 1.140 1.072 1.020 .985 .986 .986 .986 .924 .907 .966 .924 .907 .916 1.157 1.127 1.069 1.095 .995 .995 .995 .995 .995 .995 .995	**************************************	1.146 4.239 1.819 1.837 1.654 1.558 1.559 1.259 1.235 1.225	. 826 2.786 2.714 2.445 2.061 1.840 1.652 1.438 1.389 1.349 1.291 1.248 1.293	-505 1.914 1.883 1.856 1.881 1.749 1.646 1.364 1.364 1.227 1.227 1.227 1.227 1.221 1.221 1.241 1.192 1.281 1.192 1.281 1.192 1.291 1.292 1.281 1.292 1.281 1.292 1	1.017 1.750 1.745 1.745 1.696 1.653 1.554 1.546 1.487 1.291 1.229 1.277 1.400 1.383 1.341 1.291 1.299 1.277 1.400 1.410 1.290 1.410 1.290 1.410 1.420	.550 1.712 1.645 1.650 1.658 1.584 1.540 1.240 1.220 1.220 1.224 1.222 1.379 1.395 1.203 1.124 1.203 1.124 1.203 1.124 1.203	.835 1.557 1.457 1.264 1.178 1.077 1.0760 1.0060 1.0059 1.0062 1.002 .971 1.207 1.194 1.168 1.094 1.059 1.05
Wing Lower	010 030 050 075 100 220 250 300 450 520 540 740 760 760 800 850 990	. 405 .543 .628 .693 .749 .857 .366 .997 1:016 1:076 1:127 1:177 1:175 1:215 1:215 1:215 1:215 1:215 1:215 1:215 1:159 1:165 1:159 1:165 1	.504 .634 .713 .789 .843 .942 1.0015 1.047 1.149 1.170 1.165 1.075 1.175 1.156 1.156 1.122 1.156 1.122 1.156 1.122	.559 .701 .773 .852 .881 .972 .970 1.033 1.079 1.141 1.124 1.036 1.083 1.100 1.103 1.076 1.073 1.073	*597 *716 *787 *843 *900 *958 1:001 1:034 1:059 1:077 1:119 1:098 1:094 1:063 1:061 1:056 1:056 1:056	.645 .829 .865 .995 .968 1.039 1.092 1.092 1.096 1.080 1.028 1.080 1.028 1.039 1.054 1.035 1.043 1.043	. 638 .773 .805 .845 .883 .900 .904 .907 .911 .916 .911 .855 .877 .856 .899 .892 .888 .875 .887	.010 .030 .050 .075 .100 .200 .300 .350 .400 .520 .540 .710 .740 .760 .850 .850 .890	.278 .431 .525 .601 .663 .776 .800 .846 .960 1.032 1.071 1.133 1.133 1.133 1.133 1.139 1.153 1.176 1.192 1.162 1.192	. 414 .524 .6006 .686 .743 .841 .945 1.026 1.127 1.128 1.058 1.109 1.119 1.131 1.128 1.058 1.109 1.119 1.120	.479 .609 .679 .760 .798 .887 .995 1.036 1.036 1.036 1.046 1.021 1.022 1.054 1.082 1.082 1.082 1.082	.501 .620 .686 .750 .811 .876 .927 .963 1.025 1.034 1.005 1.005 1.005 1.005 1.004 1.004 1.004 1.004 1.004	.569 .752 .801 .867 .922 .980 1.010 1.0031 1.058 1.079 1.065 1.030 1.069 1.040 1.066 1.066 1.066 1.066	.554 .695 .750 .802 .832 .885 .885 .894 .899 .871 .858 .871 .858 .874 .875 .878 .878 .878 .878 .878 .878 .878
surface: Upper	.560 .580 .600 .620 .640 .660 .680	1.229 1.209 1.199 1.197 1.183 1.206 1.189	1.217 1.243 1.229 1.226 1.230 1.223 1.228 1.199	1.196 1.184 1.191 1.203 1.201 1.203 1.184	1.212 1.198 1.183 1.183	1.136 1.166 1.166 1.174 1.170 1.175 1.159	• 962 • 946 • 942 • 947 • 963 • 943	.560 .580 .600 .620 .640 .660 .680	1.263 1.239 1.233 1.227 1.227 1.227 1.223 1.218	1.251 1.273 1.253 1.251 1.252 1.242 1.244 1.218	1.239 1.224 1.223 1.235 1.225	1.259 1.246 1.234 1.224 1.208 1.196	1.222 1.228 1.221 1.217 1.209 1.199 1.186	1.036 1.014 1.004 .999 .992 1.001
Spoiler	.560 .580 .600 .620 .640 .660 .680		1.145 1.157 1.178 1.197 1.159 1.032 .811	1.082 1.090 1.101 1.117 1.127 1.103 .987	1.097 1.107 1.121 1.111 1.052 .948 .934	1.093 1.097 1.076 1.009 .938 .900	.803 .789 .758 .736 .727 .735 .776	.560 .580 .600 .620 .640 .660 .680		1.147 1.155 1.181 1.204 1.174 1.050 815 822	1.093 1.101 1.109 1.125 1.137 1.116 .995 .953	1:103 1:110 1:128 1:120 1:069 :957	1.116 1.124 1.112 1.027 .946 .914	.811 .791 .752 .730 .723 .734
r surface: Upper	.560 .580 .600 .620 .640 .660 .680		1.509 1.197 1.185 1.089 1.157 .985 .843	1.016 1.049 1.100 1.131 1.125 1.088 .960 .936	1.536 1.075 1.151 1.121 1.124 1.034 .929	1.368 1.009 1.082 1.047 1.007 .942 .891	1.028 .800 .789 .757 .736 .724 .706 .692	•560 •580 •600 •620 •640 •660 •680 •688		1.513 1.196 1.186 1.095 1.173 .999 .852 .837	1.047 1.053 1.107 1.138 1.135 1.100 .979 .948	1.564 1.080 1.159 1.123 1.132 1.050 .936	1.408 1.029 1.112 1.079 1.030 .951 .911	.999 .804 .780 .752 .734 .724 .711
Deflector	.560 .580 .600 .620 .640 .660 .680	1.294 1.228 1.217 1.219 1.215 1.242 1.306 1.102	1.862 1.350 1.244 1.236 1.223 1.174 1.180	1.678 1.229 1.220 1.175 1.133 1.115 1.122 1.066	1.817 1.250 1.169 1.147 1.127 1.098 1.095 1.053	1.817 1.119 1.193 1.127 1.129 1.092 1.093 1.003	1.355 .970 .945 .931 .914 .931 .917 .887	.560 .580 .600 .620 .640 .660 .680	1.250 1.188 1.176 1.180 1.177 1.206 1.271 1.103	1.828 1.232 1.209 1.199 1.187 1.136 1.145 1.108	1.501 1.180 1.180 1.137 1.101 1.082 1.091 1.042	1.765 1.167 1.137 1.117 1.096 1.070 1.069 1.030	1.783 1.109 1.184 1.128 1.126 1.094 1.098 1.009	1.319 .968 .947 .923 .910 .937 .921

TABLE 12 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{\rm S} = -0.010\,{\rm c};\; \delta_{\rm d} = -0.00750\,{\rm c}\right]$ 

March   Marc		-			$\alpha = 8$	+ C n	<u>y</u> = -			_		a = 10 °	C ot	V	-
		x/c		Pressure	Coefficien	it Cp at	b/2 = -	_	x/c	F	ressure c	oeincient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
100   1-370   1-370   1-360   1-730   1-621   1-311			0.15	0.30	0.50	0.70	0.85	0.97		0.15	0.30	0.50	0.70	0.85	0.97
0.00   2.000   2.701   2.034   1.720   1.608   1.288   0.208   1.288   1.289		•000	1.858						• 000	2.056	1 • 276	.833	1.325		•931
1.000   1.00			2.300												
1.00   1.72   1.694   2.780   2.016   1.713   1.606   1.202   1.007   1.724   1.201   1.722   1.594   1.205					2.032										
150   1-023   2-963   1-967   1-969   1-964   1-227   1-962   2-775   1-965   1-713   1-968   1-226			1.834	2.740	2.016	1.713	1.608	1.262					1.722	1.594	1.271
1.200   1.550   2.076   1.996   1.677   1.560   1.209   2.00   1.622   2.578   1.995   1.700   1.596   1.226   1.226   1.226   1.528   1.626   1.528   1.129   2.000   1.500   1.228   1.238   1.239   1.201   1.596   1.228   1.239   1.201   1.596   1.228   1.239   1.201   1.596   1.228   1.239   1.201   1.596   1.228   1.239   1.201   1.596   1.228   1.239   1.201   1.596   1.228   1.239   1.201							1.598								
1.250   1.491   1.586   1.976   1.695   1.595   1.199   1.595   1.255   1.255   1.299   1.697   1.255   1.25															
100   1-627   1-225   1-885   1-626   1-503   1-182   3-00   1-501   1-935   1-934   1-677   1-586   1-227   1-225															
Second   1,379   1,234   1,727   1,562   1,482   1,166   .400   1,483   1,483   1,870   1,635   1,535   1,230   .200		.300	1 . 427	1.325	1.885	1.626	1.503	1.182						1.586	1.247
1.250   1.296   1.188   1.522   1.481   1.549   1.125   1.252   1.736   1.295   1.497   1.191   1.255   1.736   1.295   1.497   1.191   1.255   1.736   1.295   1.497   1.191   1.255   1.170   1.202   1.274   1.255   1.290   1.255   1.197   1.255   1.190   1.255   1.255   1.290   1.255   1.25	L C														
1.250   1.296   1.188   1.522   1.481   1.549   1.125   1.252   1.736   1.295   1.497   1.191   1.255   1.736   1.295   1.497   1.191   1.255   1.736   1.295   1.497   1.191   1.255   1.170   1.202   1.274   1.255   1.290   1.255   1.197   1.255   1.190   1.255   1.255   1.290   1.255   1.25	bbe					1.529	1.494								
1	Þ														
110   1.292   1.734   1.935   1.390   1.374   1.190   7.70   1.266   1.789   1.4452   1.432   1.373   1.383   1.395   7.70   1.202   1.202   1.432   1.373   1.395   1.395   1.395   1.395   7.70   1.202   1.432   1.373   1.395					1.514										
1740   1.242   1.294   1.238   1.370   1.207   1.171   1.470   1.265   1.288   1.493			1.242	1.734	1.535		1.354	1.199	•710	1.266	1.759	1.645	1.432	1.363	1.193
760   1234   1246   1240   1321   1247   1248   1049   770   1266   1248   1440   1420   1231   1231   1231   1247   1248   1203   1248   12															
1780   1.234   1.222   1.224   1.226   1.297   1.224   1.096   1.079   1.274   1.225   1.237   1.215   1.227   1.225   1.237   1.215   1.227   1.225   1.237   1.215   1.227   1.225   1.237   1.215   1.227   1.225   1.237   1.215   1.227   1.225   1.237   1.215   1.227   1.225   1.237							1.253	1.117							
10		.780	1.234	1.221	1.240	1.297	1.244	1.096	• 780	1.274	1.0245	1.393	1.412	1.337	1.127
10	ce														
10	rfa														
0.500		1.000	1.117	1.077	•970	1.156	1.036	.802	1.000	1.125	1.092	1.023	1.247	1.072	.834
0.500	/ing	•010	.173	•351			.507		.010	•107	• 328			. 449	
1075   1497   1599   1664   1681   1736   1772   1075   1420   1682   1761   1885   1881   1866   1880   1881   1866   1880   1881   1866   1880   1881   1866   1880   1881   1866   1880   1881   1866   1880   1881   1866   1880   1881   1866   1880   1881   1882	B	.030	.311	•438			. 405							.415	
1.00															
200		.100	.569	•657	.714	•748	.804	.805	•100	.488	.587		.684	.743	0793
1.250	1														
100															
1	1	.300	.893	•953	.961	• 952	.994								
\$20	H			1.003		• 983									
\$20	) We			1.044		1.007									
\$\frac{540}{c} \frac{1.105}{c} \frac{1.034}{c} \frac{1.022}{c} \tag{996}{c} \frac{1.011}{c} \tag{870}{c} \tag{870}{c} \frac{1.080}{c} \frac{1.033}{c} \frac{1.032}{c} \tag{1.083}{c} \frac{1.097}{c} \frac{1.081}{c} \frac{1.033}{c} \tag{1.083}{c} \frac{1.003}{c} \tag{1.083}{c} \frac{1.003}{c} \tag{1.083}{c} \frac{1.003}{c} \tag{1.083}{c} \frac{1.003}{c} \tag{1.083}{c} \tag{1.083}	4	•500	1.086	1.084	1.073	1.035	1.066	.897			1.050			1.949	
			1.084			1.031									
					1.022	1.058	1.093								
1,780			1.157	1.087	1.064	1.042	1.048	.921	• 740	1.128		1.054	1.054	1.059	
							1.066				1.083				
#850   1:121   1:097   1:058   1:062   1:076   9:10			1.136												
1.109   1.066   1.066   1.093   1.092   .931   .950   1.100   1.007   1.095   1.144   1.139   .956   .560   1.301   1.220   1.425   1.434   1.441   1.329   1.131   .580   1.231   1.273   1.434   1.441   1.329   1.131   .660   1.271   1.229   1.413   1.432   1.320   1.114   .600   1.271   1.229   1.413   1.432   1.320   1.114   .600   1.327   1.286   1.633   1.551   1.453   1.170   .660   1.254   1.250   1.263   1.250   1.263   1.250   1.265   1.265   1.265   1.265   1.265   1.265   1.255   1.265   1.265   1.255   1.265		.850	1.121	1.097	1.058	1.062	1.076	.910							
						1.078									
\$\corr 0   1.271   1.249   1.413   1.432   1.320   1.114     \$\corr 0   1.250   1.266   1.245   1.400   1.408   1.309   1.107     \$\corr 0   1.251   1.250   1.363   1.250   1.282   1.383   1.287   1.098     \$\corr 0   1.251   1.250   1.248   1.314   1.367   1.266   1.082     \$\corr 0   1.255   1.248   1.314   1.317     \$\corr 0   1.266   1.322   1.378   1.289   1.290   1.227   1.248   1.491   1.494   1.402     \$\corr 0   1.255   1.266   1.351   1.144   1.141   1.144   1.141   1.144									E 6 0	1 240	1 276	1.705			
0	1000	•580	1.283	1.273	1.434	1 . 441	1 4 3 2 9	1.131	• 580	1.342	1.318	1.658	1.557	1.474	
0	ber														
0	Jpi					1.408	1.309	1.098							
1.05	ace		1.263	1.250		14507	1.287	1.091	• 660	1.299	1. 0 274			1.437	1.145
1.05	urf														
*** **** **** **** ***** ***** ***** ****		.690	1 0 200	1.210	10282	1 0 343	10250	1.003		1.270			10777	1.404	TOTAL
*** **** **** **** ***** ***** ***** ****	ile				1.137	1.144	1.141	.040				1.204	1,208	1,190	4974
*** **** **** **** ***** ***** ***** ****	ods											1.227	1.218	1.206	.855
**S80	we.	.620		1.216	1.180	1.167	1.142	.775	e 620		1.0237	1.254	1.232	1.197	.800
*680	Lo Lo														
*690 *835 *982 *966 *991 *806 *690 *886 1*043 1*025 1*036 *831 ***  *560 1*529 1*298 1*637 1*464 1*027 *580 1*227 1*162 1*189 1*133 ***  *560 1*202 1*099 1*126 1*069 *827 ***  *580 1*227 1*162 1*189 1*133 ***  *500 1*191 1*159 1*112 ***  *500 1*191 1*159 1*112 ***  *500 1*124 1*255 1*228 1*158 ***  *600 1*184 1*186 1*174 1*048 ***  *560 ***  *600 ***  *600 1*184 1*186 1*174 1*048 ***  *560 1*124 1*255 1*228 1*158 ***  *600 ***  *600 1*184 1*186 1*174 1*048 ***  *600 1*184 1*186 1*174 1*048 ***  *600 ***  *600 1*124 1*255 1*228 1*158 ***  *600 1*218 1*227 1*162 1*122 1*158 1*092 ***  *600 1*124 1*255 1*228 1*158 1*095 ***  *600 ***  *600 1*124 1*125 1*228 1*158 1*095 ***  *600 ***  *600 1*127 1*147 1*014 ***  *600 ***  *600 1*127 1*147 1*014 ***  *600 ***  *600 1*127 1*147 1*014 ***  *600 1*127 1*147 1*014 ***  *600 1*127 1*147 1*014 ***  *600 1*127 1*147 1*014 ***  *600 1*127 1*147 1*014 ***  *600 1*127 1*147 1*014 ***  *600 1*127 1*147 1*014 1*012 1*015 1*017 1*014 ***  *600 1*127 1*147 1*014 1*012 1*015 1*017 1*014 ***  *600 1*127 1*147 1*014 1*012 1*015 1*017 1*014 1															
1									• 690		e 886				
*** *** **** **** **** **** **** **** ****		•560		1.529	1.298		1.464	1.027	• 560			1.432		1.536	1.063
*** *** *** *** *** *** *** *** *** **	f4						1.149								.849
0	. be			1.103	1.191	1.159	1.112	•775	• 620		1.124	1.255	1.228	1.158	.805
0	Ce						1.048								
0	rfa												1.029		.753
0	ns.					. 944							• 998		•736
8640 1.137 1.149 1.078 1.099 1.117 .934 6400 1.169 1.102 1.062 1.063 1.087 .962 660 1.132 1.075 1.045 1.087 1.120 .953 6600 1.236 1.108 1.073 1.065 1.093 .949 680 1.200 1.086 1.057 1.066 1.102 .963	ctor	•560	1.206	1.751	1.274	1.685	1.743	1.295	.560	1.162	1.654	1.176	1.517		
8640 1.137 1.149 1.078 1.099 1.117 .934 6400 1.169 1.102 1.062 1.063 1.087 .962 660 1.132 1.075 1.045 1.087 1.120 .953 6600 1.236 1.108 1.073 1.065 1.093 .949 680 1.200 1.086 1.057 1.066 1.102 .963	Elec	•580	1.137												
8640 1.137 1.149 1.078 1.099 1.117 .934 6400 1.169 1.102 1.062 1.063 1.087 .962 660 1.132 1.075 1.045 1.087 1.120 .953 6600 1.236 1.108 1.073 1.065 1.093 .949 680 1.200 1.086 1.057 1.066 1.102 .963	Der				1.112	1.105		. 944	•620	1.104	1.131	1.083	1.101	1.117	.961
4680 1:236 1:108 1:073 1:065 1:093 :049 :680 1:200 1:086 1:057 1:066 1:102 :963	9	.640	1.137	1.149		1.090	1.117								0953
	"														963
															.933

TABLE  $^{12}$  .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{\rm S}=^{-0.010}\,{\rm c};\;\delta_{\rm d}=^{-0.00750}\,{\rm c}\right]$ 

α = **12** °

				coefficier	nt Cp a	at <u>y</u> = -	_		F	ressure c	α = coefficient	C <sub>n</sub> at	<u>y</u> = _	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	b/2 0.85	0.07
	-	0.10	0.30	0.50		0.00	0.97		0.15	0.30	0.50	0.70	0.85	0.97
	•000	1.369 3.217	1.361	.931 1.994	1.485	1.608	1.042	•000	1.127	1.329	1.028	1.647	1.054	1.289
	.030	3.102	2.476	1.973	1.721	1.603	1.280	• 030	2.358	2.204	1.922	1.733	1.633	1.286
	•050 •075	3.018	2.457	1.967	1.720	1.605	1.280	•075	2.349	2 · 198 2 · 193	1.914	1.734	1.636	1.293
	*100	2.802	2.437	1.952	1.716	1.607	1.288	• 100 • 150	2.334	2 · 192 2 · 182	1.895	1.734	1.636	1.303
	•150 •200	2.128	2.471	1.937	1.709	1.620	1.299	• 200	2.263	2.172	1.885	1.735	1:661	1.325
	•250 •300	1.803	2.377	1.916	1.711	1.631	1.302	• 250	2.184	2.167	1.878	1.738	1.672	1.331
H	•350	1.536	2.092	1.899	1.702	1 . 643	1.289	• 350	1.910	2.100	1.861	1.743	1.692	1.329
Upper	•400 •450	1.494	1.937	1.878	1.693	1.635	1.277	• 400 • 450	1.795	2.044	1.853	1.739	1.686	1.318
D	.500	1.420	1.669	1.809	1.660	1.593	1.257	.500	1.621	1.893	1.826	1.709	1.656	1 0 2 9 4
	•520 •538	1.382	1.657	1.800	1.661	1.578	1.237	•520 •538	1.567	1.877	1.817	1.715	1.651	1.283
	.710	1.266	1.777	1.672	1.446	1.386	1.194	•710	1.348	1.806	1.613	1.469	1:450	1.209
	•720 •740	1.285	1.586	1.676	1.447	1.390	1.186	• 720 • 740	1.370	1.610	1.617	1.488	1.451	1:199
	.760	1.278	1.325	1.542	1.460	1.394	1.164	•760	1.359	1.525	1.603	1.501	1.485	1.399
e.	•780 •800	1.291	1.310	1.522	1.467	1.398	1.157	.800	1.345	1.506	1.599	1.522	1.498	1.201
Surface	.850 .950	1.232	1.258	1.465	1.454	1.397	1.140	. 850 . 950	1.315	1.449	1.574	1.529	1.513	1.199
	1.000	1.129	1.121	1.078	1.320	1.110	.861	1.000	1.177	1.240	1.167	1.385	1.178	1.126
Wing	•010	.094	•331	.349	•371	.413	.483	.010	•074	. 329	. 340	. 366	.406	. 447
B	.030	.201	ø 355	.418	.441 .509	•572	•483 •598	.030	.180	• 328 • 337	.349	• 366 • 421		.467 .567
	.050 .075	• 295 • 383	• 425 • 496	•479 •556	.571	.633	.669 .737	.075	•270 •357	• 395 • 463	• 449	. 477 . 543	o 532	0643 0710
	•100 •150	.454 .567	•555 •658	•604 •700	.638 .714	•709 •777	•775 •824	•100 •150	• 425 • 536	.519 .613	. 567 . 664	604 685	0665 0742	•758 •812
	•200	• 626	0737	.747	.785	. 848	.863	.200	•598	0693	.716	0753	· 822	0851
	•250 •300	.695 .775	.794 .864	.810 .868	.842 .881	•900 •940	.880 .893	• 250 • 300	• 665 • 746	6749 6819	.779 .840	. 814 . 855	.873 .918	6874 6894
н	.350	.862	.921	.904	.919	. 978	•905	e 350	.830	.877	.878	.904	.964	.906
Lower	.400 .450	• 920 • 984	•999 •982	•991	•952	1.006	•919 •921	. 400 . 450	•894 •959	• 955 • 950	• 970 • 952	o 940	1.027	o 924
A	a 5 00	1.003	1.036	1.031	1.010	1.044	• 922	.500	.983	1.011	1.020	1.005	1.945	4936
	•520 •540	1.003	1.053	1.042	1.015	1.008		• 520 • 540	.986 1.009	1.038	1.033	1.014	1.042	6925 6890
	.710	1.129	1.047	1.014	1.075	1.111	•905	•710	1.123	1.035	1.024	1.090	1.134	1926
	•740 •760	1.107	1.065	1.059	1.058	1.070	.949 .949	• 740 • 760	1.107	1.057	1.076	1.074	1.097	6972 6976
	.780	1.124	1.084	1.051	1.074	1.104	.939	.780	1.127	1.081	1.075	1.099	10134	0967
	.800 .850	1.099	1.057	1.064	1.084	1.107	• 948 • 950	.800 .850	1.105	1.058	1.095	1.111	1.140	• 979 • 983
	.900 .950	1.097	1.095	1.118	1.146	1.149	.963 .979	• 900 • 950	1.115	1.121	1.182	1.191	1.206	0997
	. 750			1.150	1.190	1.177	.717	8 750	1.125	1.134	1.228	1.236	1.252	1.018
	•560	1.380	1.551	1.779	1.639	1.561	1.223	• 560 • 580	1.528	1.798	1.808	1.724	1.659	1.269
per	.600	1.338	1.512	1.731	1.641	1.554	1.213	•600	1.476	1.763	1.794	10737	1.671	1.259
e: Up	.620 .640	1.325	1.485	1.688	1.635	1.552	1.207	• 620 • 640	1.452	1.737	1.797	1.748	1.692	1.261
fac	•660	1.314	1.428			1.565	1.195	.660	1.423	1.679			1.725	1.280
surface: Upper	.680 .690	1.296	1.407	1.646	1.648	1.552	1.190	.680 .690	1.393	1.663	1.808	1.757	1.709	1.286
ler	.560		1.191	1.243				. 540						
Spoiler	•580		1.199	1.252	1.236	1.213	.898	• 560 • 580		1.242	1.276	1.269	1.271	• 929
Splower	•600 •620		1.228	1.267	1.248	1.245	.877 .824	.600 .620		1.276	1.298	1.302	1.305	6909 6862
Lo	.640		1.217	1.296	1.255	1.124	.799	• 640		1.272	1.333	1.291	1.168	.833
	•660 •680		1.045 .828	1.262	1.076	1.031	.794 .806	.660 .680		1.090 .880	1.299	1.226	1.075	.829 .843
-	•690		•933	1.067	1.051	1.070	· 855	• 690		1.007	1.075	1.083	1.129	0894
	•560 •580		1.588	1.532	1.759	1.581	1.088	•560		1.652	1.590	1.800	1.661	1.124
per	.600		1.238	1.198	1.217	1.237	.877 .872	.580 .600		1.277	1.229	1.233	1.298	.908
Upp	•620 •640		1.208	1.296	1.262	1.191	.823 .805	• 620 • 640		1.266	1.330	1.297	1.247	.860 .841
fac	.660		.991	1.236	1.175	1.049	.787	•660		1.045	1.271	1.204	1.101	·827
surface: Upp	.680 .688		.907 .896	1.080	1.023	1.016	•779 •761	• 680 • 688		• 958 • 945	1.102	1.088	1.064	.813 .794
Deflector	•560	1.130	1.561	1.143	1.403	1.636	1.262	•560	1.112					
flec	•580 •600	1.075	1.117	1.094	1.116	1.082	1.027	•560 •580 •600		1.093	1.132	1.120	1.090	1.047
Def	.620	1.068	1.128	1.074	1.093	1.181	.988 .971	•620	1.053	1.105	1.104	1.125	1.192	1.003
Lo	e640	1.074	1.064	1.048	1.084	1.119	•961 •990	• 640	1.065	1.088	1.049	1.093	1.134	0983
	•680	1.175	1.077	1.056	1.069	1.107	.975	ø680	1.168	1.047	1.064	1.071	1.112	1.016
1	•688	1.092	1.040	1.010	1.034	1.022	0942	• 688	1.096	1.029	1.022	1.049	1.044	1966
	-													

TABLE 12 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.010 \, c; \, \delta_{d} = -0.00750 \, c\right]$ 

c. = 16 °

a = 180

				acofficient	C 64	У			-		cefficient	C <sub>n</sub> at	<u>y</u> = _	
	x/c	1	Pressure	coefficient	C <sub>p</sub> at	b/2 = -		x/c			oefficient	Cp at	b/2	
		0.15	0.30	0.50	0.70	0.85	0.97		0.15	0.30	0.50	0.70	0.85	0.97
ıeı	.000 .010 .030 .050 .075 .100 .150 .200 .250 .300 .350	1.061 2.077 2.073 2.080 2.084 2.082 2.078 2.073 2.067 2.038 1.991 1.937	1.328 2.096 2.063 2.058 2.057 2.061 2.052 2.052 2.051 2.046 2.038	1.089 1.937 1.903 1.893 1.890 1.883 1.880 1.872 1.868 1.660 1.855 1.845	1.800 1.774 1.754 1.757 1.756 1.756 1.759 1.757 1.763 1.766 1.767	1.158 1.649 1.638 1.639 1.636 1.640 1.647 1.655 1.666 1.675 1.683 1.683	1.242 1.288 1.287 1.289 1.295 1.301 1.316 1.325 1.331 1.336 1.337 1.337	.000 .010 .030 .050 .075 .100 .150 .200 .250 .300	1.036 1.896 1.894 1.898 1.907 1.914 1.924 1.926 1.927 1.926 1.918	1.328 1.924 1.905 1.903 1.906 1.911 1.914 1.914 1.914 1.914	1.170 1.908 1.871 1.866 1.864 1.864 1.867 1.867 1.866 1.866 1.866	1.933 1.6754 1.6734 1.6736 1.6737 1.6735 1.6735 1.6733 1.6738 1.6738	1.6232 1.643 1.633 1.633 1.630 1.629 1.647 1.645 1.647 1.664	1.259 1.276 1.275 1.273 1.281 1.280 1.292 1.302 1.311 1.313
ing surface: Upper	.450 .500 .520 .538 .710 .720 .740 .760 .800 .850 .950	1.869 1.828 1.773 1.788 1.601 1.601 1.587 1.565 1.550 1.518 1.460 1.339 1.286	1.992 1.956 1.945 1.896 1.882 1.810 1.724 1.692 1.683 1.629 1.465	1:837 1:822 1:823 1:614 1:612 1:612 1:619 1:622 1:610 1:527 1:232	1.750 1.7747 1.752 1.771 1.510 1.513 1.528 1.5542 1.557 1.571 1.582 1.556 1.460	1.672 1.660 1.663 1.674 1.474 1.477 1.493 1.509 1.523 1.531 1.555 1.469 1.225	1.320 1.311 1.303 1.311 1.226 1.216 1.226 1.229 1.233 1.245 1.190 939	* 450 * 520 * 538 * 710 * 720 * 740 * 760 * 880 * 850 * 950 1 000	1.892 1.883 1.875 1.877 1.775 1.766 1.755 1.740 1.729 1.669 1.640 1.481 1.406	1.905 1.900 1.898 1.897 1.872 1.872 1.876 1.766 1.761 1.761	1.853 1.852 1.858 1.864 1.628 1.635 1.644 1.652 1.656 1.658 1.584 1.301	1.737 1.754 1.773 1.801 1.519 1.522 1.535 1.553 1.558 1.558 1.559 1.557 1.491	1.664 1.672 1.679 1.697 1.493 1.497 1.515 1.529 1.544 1.555 1.580 1.507	1.306 1.304 1.305 1.318 1.241 1.231 1.244 1.229 1.225 1.226 1.225
Lower	010 030 075 100 250 250 330 350 440 450 6520 6540 7740 7780 8800 890 990	0064 154 246 3307 5508 571 639 725 807 874 943 996 1.126 1.116 1.143 1.119 1.125 1.178	. 335 . 326 . 378 . 378 . 437 . 670 . 727 . 725 . 858 . 940 1.007 1.0047 1.0047 1.0046 1.074 1.0149 1.103 1.085 1.1049 1.0449 1.	-352 -376 -423 -493 -535 -634 -690 -754 -815 -948 1.009 1.0024 1.0034 1.0036 1.107 1.086 1.106 1.150	368 407 454 516 580 660 731 793 836 887 926 1.000 1.016 1.023 1.104 1.117 1.127 1.1222 1.281	*394 *505 *567 *635 *714 *796 *854 *892 1015 1004 1012 1012 1012 1012 1012 1013 1014 1013 1014 1015 1016 1016 1016 1016 1016 1016 1016	. 460 .549 .620 .695 .742 .803 .848 .871 .891 .912 .929 .938 .947 .939 .903 .949 1.000 1.005 .996 1.008	0010 0030 0050 0075 1000 1500 2000 2500 3000 3500 4000 5200 5400 7400 7400 7800 8800 8900	.034 .123 .213 .235 .361 .470 .534 .661 .684 .766 .795 .936 .945 .945 .112 1.114 1.146 1.127 1.140 1.185 1.232	.339 .309 .352 .408 .456 .547 .626 .686 .756 .821 .911 .992 1.033 1.056 1.059 1.078 1.105 1.105 1.105 1.105 1.105	. 264 . 365 . 405 . 464 . 509 . 662 . 729 . 894 . 999 . 1017 . 1040 1.104 1.124 1.124 1.132 1.180	0 3 1 2 3 1 3 1 3 1 3 2 4 8 5 1 4 8 5 1 4 8 5 1 4 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	.398 .493 .548 .616 .700 .778 .835 .8855 .994 .077 1.014 1.036 1.025 1.158 1.118 1.159 1.171 1.203 1.251	455 527 600 676 722 786 839 8859 8859 941 951 938 909 942 1012 1009 10025 1005 1005
r surface: Upper	.560 .580 .600 .620 .640 .660 .680	1.763 1.739 1.720 1.700 1.671 1.662 1.636	1.904 1.905 1.888 1.875 1.860 1.846 1.842 1.834	1.822 1.821 1.826 1.834 1.838	1.797 1.819 1.832 1.847	1.700 1.725 1.749 1.764 1.774 1.751 1.728	1.299 1.306 1.320 1.337 1.368 1.379 1.362	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690	1.867 1.859 1.849 1.841 1.824 1.818 1.802 1.798	1.889 1.890 1.889 1.887 1.886 1.888 1.891 1.888	1.879 1.883 1.896 1.906 1.915 1.902 1.892	1.843 1.860 1.870 1.880 1.854 1.832	1.737 1.759 1.775 1.779 1.782 1.761 1.740	1 · 332 1 · 347 1 · 366 1 · 388 1 · 407 1 · 417
Spoiler Lower	.560 .580 .600 .620 .640 .660 .680		1.355 1.362 1.395 1.435 1.393 1.158 .953 1.114	1.318 1.327 1.339 1.365 1.376 1.334 1.152 1.084	1.311 1.319 1.339 1.329 1.258 1.136 1.120	1.291 1.328 1.318 1.191 1.100 1.090 1.154	.960 .939 .887 .860 .858 .872	.560 .580 .600 .620 .640 .660		1.402 1.409 1.447 1.492 1.437 1.176 .987	1.364 1.376 1.387 1.413 1.424 1.382 1.181 1.106	1.327 1.337 1.356 1.341 1.267 1.146 1.131	1.310 1.349 1.339 1.214 1.109 1.106 1.168	8971 8950 8873 8871 8890
r surface: Upper	6560 6580 660 660 660 660 680		1.793 1.402 1.395 1.297 1.388 1.119 1.036	1.341 1.376 1.377 1.312 1.127	1.860 1.286 1.377 1.338 1.342 1.241 1.120 1.092	1.687 1.253 1.315 1.269 1.197 1.123 1.087	1 • 145 • 949 • 937 • 889 • 867 • 857 • 845 • 829	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 688		1.849 1.455 1.447 1.345 1.443 1.071 1.061	1.766 1.311 1.389 1.425 1.422 1.353 1.155	1.880 1.299 1.391 1.355 1.356 1.249 1.127	1.0716 1.0272 1.0342 1.0299 1.0224 1.0102 1.0094	1 • 145 • 96 • 95 • 90 • 88 • 87 • 85 • 84
Deflector Lower	.580 .600 .620 .640 .660	1.02 1.049 1.045 1.055 1.062 1.093 1.165	1.096 1.107 1.098 1.095 1.055	1.081 1.098 1.071 1.049 1.046 1.073	1.304 1.120 1.130 1.108 1.096 1.082 1.100 1.062	1.543 1.090 1.189 1.126 1.136 1.112 1.132	1.155 1.056 1.024 1.015 1.008 1.044 1.022 .992	• 580 • 600 • 620 • 640 • 660 • 680	1.018 1.035 1.042 1.084	1.079 1.093 1.082 1.086 1.049	1.071 1.053 1.053 1.081	1.091 1.080 1.093	1.191 1.131 1.141 1.120 1.139	1.02: 1.01: 1.05: 1.04:

TABLE 12 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{\rm S} = -0.010 \, {\rm c}; \, \delta_{\rm d} = -0.00750 \, {\rm c}\right]$ a = 200 a = 22 0

	,		Pressure	coefficien	nt Cp a	at $\frac{y}{b/2} = -$	_		F	ressure o	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Upper	.000 .010 .030 .050 .075 .100 .200 .250 .330 .450 .450 .520 .538	1.033 1.831 1.817 1.815 1.816 1.824 1.834 1.835 1.843 1.846 1.843 1.846 1.842 1.845	1.336 1.834 1.816 1.816 1.824 1.830 1.832 1.838 1.838 1.843 1.843 1.843 1.843	1.201 1.878 1.846 1.835 1.833 1.830 1.831 1.829 1.826 1.828 1.826 1.827 1.833 1.850	1.901 1.731 1.712 1.712 1.713 1.710 1.707 1.707 1.707 1.707 1.707 1.707 1.707 1.707 1.717 1.739 1.717	1.311 1.650 1.642 1.641 1.641 1.659 1.655 1.655 1.655 1.655 1.655 1.672 1.686 1.709	1.286 1.281 1.278 1.278 1.285 1.286 1.296 1.304 1.304 1.304 1.304 1.309 1.321 1.328	.000 .010 .030 .050 .075 .100 .150 .200 .250 .300 .350 .400 .550 .500 .500	1.034 1.738 1.723 1.717 1.718 1.723 1.731 1.734 1.746 1.755 1.765 1.770 1.770	1.349 1.763 1.763 1.762 1.764 1.773 1.779 1.787 1.787 1.789 1.789 1.800 1.800 1.811 1.811	1.210 1.802 1.773 1.766 1.763 1.762 1.764 1.759 1.759 1.759 1.773 1.790 1.816 1.824 1.824	1.801 1.683 1.667 1.668 1.6667 1.666 1.667 1.6667 1.667 1.673 1.704 1.734 1.768	1.356 1.620 1.615 1.612 1.613 1.616 1.622 1.623 1.626 1.636 1.652 1.676 1.719	1.288 1.278 1.278 1.279 1.281 1.280 1.287 1.293 1.299 1.298 1.302 1.308 1.308 1.336
ng Surface:	.710 .720 .740 .760 .780 .800 .850 .950	1.794 1.791 1.785 1.776 1.768 1.755 1.725 1.578 1.486	1.903 1.859 1.812 1.787 1.775 1.767 1.749 1.666 1.620	1.640 1.632 1.633 1.644 1.653 1.657 1.667 1.617	1.532 1.534 1.550 1.561 1.580 1.591 1.614 1.584 1.525	1.531 1.531 1.550 1.568 1.583 1.592 1.620 1.553 1.307	1.264 1.257 1.267 1.276 1.283 1.284 1.295 1.266 1.013	.710 .720 .740 .760 .780 .800 .850 .950	1.777 1.770 1.762 1.759 1.757 1.748 1.737 1.673 1.597	1.881 1.829 1.775 1.756 1.746 1.745 1.743 1.695 1.656	1.618 1.610 1.608 1.615 1.623 1.633 1.645 1.613	1e534 1e532 1e544 1e555 1e568 1e582 1e608 1e586 1e532	1.535 1.534 1.549 1.559 1.574 1.584 1.607 1.562 1.312	1.276 1.269 1.280 1.283 1.291 1.295 1.304 1.281
Lower	**************************************	.027 .104 .188 .270 .334 .505 .575 .656 .752 .809 .884 .915 .924 .916 .113 .104 .104 .104	. 341 . 296 . 332 . 381 . 429 . 519 . 656 . 729 . 796 . 883 . 889 . 9772 1.013 1.042 1.053 1.087 1.117	- 370 - 357 - 387 - 443 - 488 - 562 - 641 - 707 - 772 - 818 - 921 - 990 1 0/13 1 0/032 1 0/50 1 111 1 113/2	.380 .377 .447 .469 .526 .604 .679 .742 .791 .851 .995 .979 .995 1.014 1.114 1.114	.398 .480 .532 .600 .679 .767 .824 .677 .932 .971 1.017 1.046 1.049 1.038 1.179	- 459 - 520 - 590 - 668 - 712 - 774 - 831 - 856 - 883 - 902 - 927 - 949 - 962 - 949 - 921 - 982 - 16027 - 16035 - 16027	010 030 050 075 100 150 200 250 350 450 550 550 540 740 740 780	.019 .018 .168 .246 .309 .415 .475 .544 .627 .720 .774 .855 .889 .900 .926 .105 1.101	* 346 * 286 * 319 * 361 * 407 * 494 * 572 * 631 * 702 * 768 * 876 * 877 * 997 1 * 024 1 * 047 1 * 0185 1 * 1185	381 348 371 424 463 555 610 677 741 779 884 896 990 1.014 1.014 1.103 1.130	.388 .371 .399 .449 .504 .579 .652 .717 .765 .826 .873 .928 .966 .980 1.107 1.097	.400 .456 .509 .574 .650 .785 .799 .851 .992 .947 .992 1.027 1.020 1.169 1.123 1.155	. 473 . 584 . 654 . 767 . 820 . 851 . 875 . 898 . 923 . 944 . 955 . 955 . 950 . 922 . 989 1.033 1.042
surface: Upper	.800 .850 .900 .950	1.130 1.151 1.211 1.279 1.842 1.838 1.838 1.835 1.828	1.119 1.206 1.262 1.335 1.851 1.853 1.853 1.854 1.855	1.140 1.197 1.267 1.347 1.889 1.898 1.911 1.919	1.150 1.192 1.256 1.330 1.852 1.860 1.864 1.865	1.192 1.232 1.282 1.350 1.775 1.791 1.797	1.041 1.052 1.078 1.120 1.346 1.393 1.412 1.427	.800 .850 .900 .950 .560 .580 .600 .620	1.134 1.164 1.239 1.328 1.792 1.793 1.792 1.790 1.788	1.122 1.218 1.280 1.361 1.820 1.819 1.824 1.827 1.833	1.138 1.196 1.270 1.351 1.859 1.867 1.877 1.885 1.886	1.144 1.189 1.259 1.333 1.827 1.827 1.824 1.817	1.180 1.222 1.281 1.353 1.756 1.766 1.767 1.758	1.042 1.056 1.084 1.130 1.398 1.404 1.413 1.422
Spoiler surfac Lower	.660 .680 .690 .580 .600 .620 .640 .660 .680	1.827 1.820 1.816	1.858 1.863 1.861 1.399 1.410 1.444 1.491 1.433 1.164 .985 1.169	1.910 1.902 1.372 1.377 1.393 1.419 1.430 1.393 1.177 1.105	1.842 1.827 1.336 1.348 1.369 1.349 1.273 1.151 1.142	1.788 1.767 1.753 1.337 1.383 1.371 1.236 1.135 1.130	1.434 1.436 1.421 .996 .961 .908 .887 .888 .903 .959	. 660 . 690 . 560 . 580 . 600 . 620 . 640 . 660 . 680 . 690	1.794 1.788 1.788	1.831 1.837 1.842 1.384 1.394 1.429 1.473 1.415 1.151 .975 1.160	1.870 1.864 1.354 1.362 1.373 1.400 1.413 1.377 1.160 1.097	1.799 1.789 1.328 1.343 1.365 1.347 1.268 1.150 1.139	1.750 1.734 1.723 1.344 1.377 1.369 1.231 1.128 1.129	1.427 1.424 1.411 .994 .960 .902 .886 .886 .905
or surface: Upper	•5\$0 •580 •600 •620 •640 •660 •680 •688		1.849 1.453 1.445 1.347 1.430 1.136 1.065 1.057	1.792 1.317 1.395 1.440 1.427 1.354 1.155	1.892 1.308 1.404 1.372 1.363 1.255 1.139 1.112	1.756 1.300 1.370 1.325 1.249 1.167 1.131 1.116	1.155 .980 .964 .911 .692 .886 .875 .858	.560 .580 .600 .620 .640 .660 .680		1.840 1.436 1.427 1.329 1.409 1.122 1.050	1.778 1.301 1.376 1.420 1.421 1.339 1.142	1.876 1.298 1.400 1.364 1.358 1.247 1.133	1.748 1.299 1.372 1.321 1.242 1.160 1.126	1.155 .989 .962 .916 .892 .884 .874
Deflector Lower	.560 .580 .600 .620 .640 .660 .680	1.055 1.007 1.005 1.022 1.028 1.069 1.145	1.098 1.064 1.083 1.075 1.079 1.046 1.069 1.039	1.106 1.070 1.097 1.069 1.052 1.056 1.086	1.231 1.109 1.116 1.099 1.093 1.081 1.101 1.096	1.510 1.097 1.203 1.143 1.153 1.136 1.157 1.079	1.082 1.084 1.046 1.041 1.034 1.070 1.056 1.018	.580 .600 .620 .640 .660	1.030 .990 .989 1.003 1.015 1.059 1.135	1.077 1.049 1.069 1.065 1.070 1.037 1.065	1.084 1.052 1.076 1.053 1.038 1.041 1.076 1.025	1.090 1.102 1.086 1.082 1.071 1.090 1.056	1.461 1.080 1.184 1.123 1.138 1.119 1.140	1.059 1.084 1.047 1.043 1.037 1.074 1.061 1.020

TABLE 12 .- PRESSURE COEFFICIENTS - Concluded

 $\left[\delta_{\rm S} = -0.010\,\rm c;\; \delta_{\rm d} = -0.00750\,\rm c\right]$   $= 23\,\rm 0$ 

		_		= 23 0							a = * 0		**	
	/-	I	Pressure	coefficient	: C <sub>p</sub> at	$\frac{y}{b/2} = -$		×/0	P	ressure	coefficient	t C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0,50	0.70	0.85	0.97
burace: Upper	.000 .010 .030 .050 .075 .100 .250 .250 .350 .450 .520 .520 .538 .710 .720 .740 .740 .760 .850 .850	1.062 1.717 1.706 1.706 1.706 1.706 1.719 1.724 1.731 1.741 1.771 1.757 1.764 1.773 1.776 1.776 1.777 1.775	1.366 1.716 1.708 1.713 1.721 1.721 1.724 1.738 1.745 1.753 1.767 1.775 1.775 1.775 1.775 1.784 1.840 1.715 1.712 1.712	1.239 1.763 1.775 1.737 1.735 1.735 1.735 1.736 1.740 1.740 1.740 1.758 1.776 1.805 1.817 1.805 1.817 1.808 1.608 1.608 1.608 1.608 1.608	1.759 1.656 1.645 1.645 1.649 1.645 1.658 1.657 1.658 1.673 1.658 1.673 1.727 1.727 1.733 1.533 1.533 1.533 1.533 1.536 1.579 1.603 1.589	1.406 1.618 1.612 1.613 1.613 1.613 1.613 1.616 1.624 1.627 1.634 1.676 1.726 1.736 1.736 1.736 1.736 1.536 1.536 1.536 1.536 1.536 1.536 1.536 1.536 1.536	1.311 1.297 1.296 1.298 1.300 1.301 1.301 1.314 1.319 1.320 1.323 1.335 1.327 1.383 1.207 1.328 1.367 1.311 1.316 1.316 1.316 1.316	.000 .010 .030 .050 .075 .100 .250 .300 .350 .450 .500 .520 .538 .710 .720 .740 .740 .760 .780						
	•950 1•000	1.714 1.660	1.659	1.624	1.589	1.585	1.074	1.000						
Lower	010 030 075 100 200 250 350 450 450 540 776 776 880 850 990 955	0014 0077 157 233 293 395 442 529 608 704 754 838 8377 881 1096 1111 1148 1132 1170 1217 1250	.358 .279 .302 .339 .881 .445 .543 .602 .671 .735 .820 .845 .926 .970 1.003 1.003 1.102 1.102 1.109 1.210	- 392 - 342 - 357 - 401 - 439 - 523 - 563 - 648 - 715 - 861 - 971 - 974 - 100 - 1037 - 1	- 398 - 361 - 384 - 428 - 475 - 553 - 627 - 693 - 798 - 650 - 994 - 100 - 100 - 1137 - 1183 - 1256 - 1334	.408 .449 .492 .551 .634 .718 .781 .834 .983 .015 1.015 1.020 1.164 1.124 1.158 1.226 1.226 1.374	*452 518 *588 *557 *704 *771 *628 *862 *833 *907 *936 *961 *976 *962 *935 1.058 1.05	010 030 050 075 100 200 250 350 400 552 554 710 740 760 880 880 995						
surface: Upper	•560 •580 •600 •620 •640 •660 •680	1.783 1.782 1.783 1.786 1.787 1.791 1.785 1.783	1.787 1.788 1.788 1.792 1.791 1.796 1.799	1.849 1.856 1.866 1.872 1.877	1.807 1.802 1.799 1.791 1.773	1.756 1.763 1.761 1.750 1.741 1.727	1.422 1.435 1.441 1.447 1.448 1.441	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690						
Spoiler Lower	.560 .580 .600 .620 .640 .660 .680		1.359 1.365 1.402 1.446 1.389 1.132 .961 1.139	1.353 1.362 1.373 1.401 1.413 1.373 1.160	1.325 1.340 1.354 1.337 1.256 1.143 1.136	1.354 1.394 1.383 1.232 1.132 1.139 1.207	1.011 .978 .924 .900 .900 .921	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690						
surface: Upper	.560 .580 .600 .620 .640 .660 .680		1.806 1.408 1.404 1.308 1.386 1.104 1.035	1.495 1.298 1.374 1.421 1.412 1.336 1.146	1.873 1.297 1.399 1.352 1.352 1.242 1.130	1.766 1.311 1.376 1.333 1.245 1.170 1.131	1.176 1.002 .975 .925 .906 .897 .887	.560 .580 .600 .620 .640 .660 .680						
Deflector Lower	•560 •580	.973 .976 .994 1.005 1.049	1.049 1.025 1.043 1.040 1.048 1.018 1.042 1.014	1.061 1.033 1.058 1.059 15.115 1.032 1.061 1.019	1:169 1:069 1:084 1:069 1:068 1:077 1:077	1.420 1.072 1.175 1.121 1.121 1.143 1.067	1.059 1.100 1.064 1.060 1.054 1.092 1.075	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 688						

TABLE 13 .- PRESSURE COEFFICIENTS

 $\left[\delta_{\rm S} = -0.020 \, c; \, \delta_{\rm d} = -0.01500 \, c\right]$ 

				a = -4°	,						$\alpha = -2^{\circ}$		**	
	x/c		Pressure	coefficier	nt Cp a	at $\frac{y}{b/2} = \cdot$	_	x/c	F	ressure c	oefficien	t Cp at	$\frac{y}{b/2} = -$	
	11, 0	0.15	0.30	0.50	0.70	0.85	0.97	1,0	0.15	0.30	0.50	0.70	0.85	0.9
Upper Upper	**************************************	1.330 .661 .880 .887 .917 .959 1.023 1.033 1.027 1.032 1.036 1.066 1.076 1.095 1.015 1.095 1.015 1.095 1.015 1.095	2.348 .599 .784 .884 .884 .951 .972 .983 .999 1.005 .997 .948 .915 .948 .1534 1.457 1.367 1.297 1.007 .615	3.524 .502 .693 .777 .834 .875 .917 .991 .986 .998 .986 .936 .912 .858 1.477 1.471 1.367 1.292	.468 .677 .747 .815 .824 .999 .960 .991 .999 .940 .953 .928 1.478 1.303 1.477 1.303 1.477 1.303	2.122 .417 .661 .813 .859 .933 .950 .970 1.0011 1.0015 1.0023 .942 .948 1.544	980 524 746 838 918 966 983 1.000 1.012 1.003 1.	.000 .010 .030 .050 .075 .100 .150 .250 .350 .460 .500 .538 .710 .720 .740 .740 .780 .860 .850	*320 *990 1:0142 1:023 1:038 1:063 1:065 1:089 1:074 1:088 1:088 1:078 1:078 1:078 1:012 1:0	991 9912 999 10016 10033 10054 10061 10062	1.738 .776 .900 .945 .970 .995 1.021 1.027 1.033 1.044 1.043 1.027 1.038 1.057 1.583 1.593	971 9719 8779 995 9953 9988 10024 10036 10036 10036 10036 1054 1054 1054 1055 1058 105	1.117 .646 .877 .927 .982 1.000 1.055 1.049 1.073 1.095 1.069 1.069 1.063 1.645	.3 .68 .99 .99 .99 .99 .99 .99 .99 .1.22 1.21 1.21
Lower	010 030 050 075 100 150 200 3300 350 440 550 540 774 760 780 850 850 850 950	1.500 1.4290 1.4234 1.193 1.195 1.296 1.295 1.291 1.289 1.358 1.368 1.367 1.318 1.367 1.318 1.294 1.294 1.263 1.211 1.263	1.720 1.512 1.411 1.361 1.366 1.355 1.355 1.377 1.378 1.403 1.324 1.224 1.236 1.130 1.130 1.183 1.183 1.183	2.011 1.775 1.571 1.538 1.633 1.343 1.359 1.359 1.366 1.327 1.188 1.101 1.111 1.099 1.135 1.113 1.106 1.135	2.202 1.624 1.678 1.578 1.558 1.588 1.368 1.329 1.310 1.221 1.221 1.221 1.025 1.101 1.083 1.084 1.082 1.082	2.128 1.495 1.495 1.435 1.321 1.284 1.271 1.253 1.236 1.108 1.087 1.080 1.029 1.059 1.060 1.054 1.064	1.754 1.0382 1.0382 1.0249 1.0183 1.0159 1.0138 1.0130 1.023 1.0164 1.0039 1.005 1.0064 1.0139 1.0138 1.013	.010 .030 .050 .075 .100 .200 .250 .300 .400 .450 .500 .500 .520 .710 .740 .740 .760 .800 .850 .990	1.143 1.042 1.072 1.080 1.155 1.135 1.135 1.227 1.227 1.234 1.324 1.324 1.324 1.298 1.278 1.227 1.227 1.227 1.247	1. 334 1. 271 1. 229 1. 223 1. 224 1. 277 1. 305 1. 223 1. 336 1. 336 1. 376 1. 376 1. 279 1. 245 1. 125 1. 125 1. 185 1. 185 1. 185 1. 185 1. 185 1. 185	1.498 1.372 1.521 1.521 1.521 1.51 1.247 1.268 1.289 1.262 1.310 1.248 1.058 1.070 1.079 1.089 1.089 1.084 1.074	1.637 1.442 1.344 1.319 1.331 1.273 1.277 1.251 1.227 1.227 1.122 1.005 1.005 1.005 1.005 1.005 1.005 1.005 1.005	1.734 1.438 1.266 1.311 1.224 1.225 1.223 1.222 1.227 1.333 1.622 1.626 1.611 1.093 1.002 1.026 1.027 1.0957 1.0957	1.041 1.012 1.014 1.015 1.007 1.007 1.008 1.008 1.008 1.008 1.008 1.008 1.008 1.008 1.008 1.008 1.008 1.008 1.008 1.008
Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.055 1.039 1.043 1.051 1.041 1.087 1.078 1.091	.925 1.001 1.010 1.044 1.050 1.057 1.057	.940 .984 1.021 1.039 1.056 1.075 1.085	1.025 1.033 1.020 1.042 1.092 1.070	.968 1.069 1.092 1.120 1.134 1.163	.964 .987 .997 1.006 1.016 1.008	.560 .580 .600 .620 .640 .660 .680	1.096 1.075 1.080 1.087 1.076 1.118 1.109 1.121	. 968 1.048 1.057 1.087 1.092 1.097 1.089	.955 .999 1.038 1.055 1.076 1.081 1.096 1.071	1.039 1.047 1.036 1.050	.982 1.085 1.108 1.129 1.150 1.171 1.165	6 9 2 6 9 4 6 9 5 6 9 6 6 9 6 6 9 6
Lower	•560 •580 •600 •620 •640 •660 •680 •690		1.155 1.164 1.172 1.178 1.158 1.079 .881 .850	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.077 1.089 1.084 1.058 1.022 .944 .930	1.197 1.189 1.178 1.147 1.095 1.012	1.019 1.032 1.035 1.053 1.061 1.006	.560 .580 .600 .620 .640 .660 .680		1: 194 1: 197 1: 209 1: 218 1: 196 1: 101 : 861 : 846	1.081 1.083 1.084 1.093 1.092 1.068 .931 .885	1:059 1:067 1:077 1:081 1:043 :912 :871	1.177 1.261 1.136 1.113 1.033	0 97 0 96 0 96 0 96 0 97 0 98
Upper	•560 •580 •600 •620 •640 •660 •688		1.390 1.205 1.170 1.056 1.133 .936 .774	1.110 1.064 1.111 1.097 1.082 1.007 .824	1.209 1.065 1.121 1.078 1.068 .964 .804 .781	1.316 1.194 1.193 1.153 1.142 1.044 .906	1.555 1.004 1.050 1.039 1.057 1.019 .882 .780	.560 .580 .600 .620 .640 .660 .680		1. 437 1. 245 1. 206 1. 088 1. 155 . 910 . 782 . 782	1.321 1.037 1.084 1.096 1.068 .959 .753	1.480 1.049 1.111 1.071 1.082 .946 .750	1.437 1.281 1.174 1.134 1.136 1.049 .842 .808	1 o 5 o 9 d
Lower	.600 .620 .640 .660	1.454 1.401 1.388 1.385 1.377 1.390 1.419	2.162 2.155 1.896 1.502 1.316 1.227 1.236 1.153	2.259 1.946 1.566 1.359 1.266 1.204 1.163	2.040 1.899 1.631 1.416 1.292 1.196 1.147 1.109	2.158 1.650 1.217 1.172 1.122 1.080 1.020	1.700 1.593 1.282 1.178 1.166 1.169 1.127	.620 .640 .660	1.428 1.364 1.349 1.351 1.341 1.359 1.404 1.130	2 · 143 2 · 133 1 · 806 1 · 410 1 · 278 1 · 213 1 · 226 1 · 145	2.024 1.969 1.655 1.361 1.219 1.158 1.117	1.721 1.740 1.720 1.594 1.432 1.236 1.190 1.149	2.040 1.936 1.194 1.150 1.112 1.075 1.000	1.04 1.04 1.04 1.04 1.03 1.03

TABLE 13 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{S} = -0.020 \, c; \, \delta_{d} = -0.01500 \, c\right]$ 

_				= 00	0 -1	V					x = -	C <sub>n</sub> at	<u>y</u> = —	
	x/c	I	Pressure	coefficient		$\frac{y}{b/2} = -$		x/c			oefficient		b/2	0.05
		0.15	0.30	0.50	0.70	0.85	0.97		0.15	0.30	0.50	0.70	0.85	0.97
Upper	.000 .010 .030 .050 .075 .100 .250 .250 .350 .400	•312 1•385 1•233 1•230 1•154 1•158 1•164 1•165 1•147 1•148 1•147 1•133	.519 1.350 1.242 1.192 1.166 1.171 1.148 1.138 1.123 1.130 1.121 1.098 1.082	.219 1.168 1.140 1.130 1.118 1.130 1.117 1.112 1.102 1.120 1.098 1.082 1.048	1.088 1.100 1.104 1.105 1.115 1.120 1.110 1.111 1.102 1.085 1.069	.611 1.096 1.097 1.104 1.117 1.110 1.137 1.113 1.101 1.108 1.119 1.082	.326 .949 1.004 1.012 1.000 1.006 1.010 1.002 .998 1.001 .998 .985 .985	.000 .010 .030 .050 .075 .100 .250 .250 .350 .400	.332 1.797 1.452 1.399 1.297 1.281 1.266 1.235 1.238 1.210 1.203 1.201 1.180 1.172	. 257 1.987 1.562 1.420 1.347 1.331 1.269 1.237 1.209 1.202 1.184 1.156 1.128 1.065	.218 1.756 1.471 1.377 1.321 1.302 1.253 1.229 1.200 1.200 1.173 1.147 1.101 1.0054	.511 1:796 1:464 1:337 1:301 1:289 1:255 1:224 1:195 1:186 1:186 1:131 1:112	.268 1.856 1.426 1.352 1.312 1.270 1.257 1.202 1.175 1.164 1.165 1.098 1.007	04 103 101 100 100 100 100 100
	•500 •520 •538 •710 •720 •740 •760 •800 •850 •950 1•000	1.128 1.099 1.126 1.142 1.154 1.158 1.170 1.151 1.133 1.096 1.121	1.023 .980 1.009 1.619 1.621 1.535 1.429 1.350 1.291 1.204 1.115	1.002 .969 .914 1.6646 1.656 1.601 1.443 1.330 1.252 1.169 1.075 .712	998 9992 964 1627 1641 1588 1452 1346 1270 1176 1082 1042	.980 .949 .964 1.648 1.661 1.625 1.455 1.313 1.225 1.130 1.050	911 882 1.270 1.280 1.280 1.220 1.163 1.118 1.032 923 867	.520 .538 .710 .720 .740 .760 .800 .850 .950	1.140 1.166 1.162 1.177 1.187 1.179 1.168 1.168 1.147 1.101	1:030 1:039 1:638 1:641 1:562 1:459 1:376 1:318 1:228 1:127	1.021 .965 1.681 1.691 1.635 1.483 1.371 1.294 1.198 1.099	1.025 .998 1.652 1.673 1.601 1.454 1.345 1.278 1.187 1.096	.981 .984 1.674 1.688 1.635 1.445 1.305 1.227 1.142 1.008 1.039	102 102 102 101 101 100 100
Lower	.010 .030 .050 .075 .100 .250 .250 .350 .450 .520 .540 .740 .760 .760 .780 .850 .850 .950	.863 .893 .926 .943 .972 1.063 1.073 1.170 1.220 1.262 1.307 1.298 1.298 1.298 1.298 1.298 1.293 1.263 1.263 1.263 1.263 1.263 1.264 1.265 1.264 1.265	.960 1.015 1.036 1.088 1.163 1.202 1.202 1.224 1.263 1.312 1.224 1.240 1.224 1.142 1.096 1.159 1.159 1.159	1.089 1.123 1.128 1.198 1.192 1.208 1.195 1.215 1.273 1.215 1.273 1.219 1.215 1.273 1.198 1.153 1.070 1.071 1.010 1.071 1.0082 1.075 1.075	1.207 1.164 1.164 1.160 1.193 1.173 1.1208 1.193 1.181 1.174 1.107 1.005 1.019 1.027 1.027 1.035 1.039 1.039	1.206 1.208 1.090 1.155 1.113 1.159 1.154 1.151 1.158 1.153 1.144 1.108 1.0069 1.013 1.0070 1.0007 1.003 1.0041 1.033 1.041 1.038	1.208 1.105 1.075 1.075 1.075 1.065 1.065 1.037 1.027	010 030 030 075 100 150 250 300 450 450 550 450 571 774 774 860 880 990	.626 .723 .782 .826 .960 .990 1.101 1.261 1.255 1.249 1.254 1.254 1.255 1.254 1.255 1.254 1.255 1.254 1.255 1.254 1.255 1.254 1.255 1.254 1.255 1.254 1.255 1.255 1.253 1.253	.664 .781 .845 .905 .952 1.013 1.123 1.123 1.125 1.251 1.197 1.209 1.194 1.140 1.136 1.139 1.140 1.140 1.136 1.139	. 743 .875 .934 1.009 1.012 1.070 1.123 1.164 1.160 1.233 1.181 1.177 1.140 1.076 1.076 1.040 1.079 1.069	.778 .875 .931 .970 .9021 .0057 .0102 .10057 .1110 .1223 .1133 .1136 .100 .10035 .1011 .1004 .10025 .10021 .10025 .10021 .10025 .10021 .10025 .10021 .10025 .10021 .10025 .10021 .10025 .10021 .10025 .10021 .10025 .10021	.790 .954 .929 .007 .006 .008 .008 .007 .113 .120 .118 .092 .0059 .0015 .006 .002 .0031 .003	
Upper	.560 .580 .600 .620 .640 .660 .680	1.140 1.123 1.123 1.126 1.126 1.150 1.150	.983 1.051 1.068 1.096 1.098 1.098 1.090 1.053	.966 1.021 1.055 1.076 1.093 1.103 1.108	1.067 1.071 1.054 1.073	.988 1.074 1.095 1.120 1.131 1.146	923 946 956 966 974 968	.560 .580 .600 .620 .640 .666 .680	1.177 1.157 1.157 1.161 1.161 1.181 1.171 1.181	1.022 1.080 1.095 1.120 1.124 1.120 1.142 1.075	1.025 1.060 1.094 1.107 1.123 1.131 1.131	1.078 1.084 1.078 1.090 1.120 1.097	1.009 1.085 1.109 1.125 1.144 1.158	
Lower	.560 .580 .600 .620 .640 .660 .680		1.0214 1.0223 1.0235 1.0242 1.0201 1.074 .833 .851	1:110 1:112 1:119 1:135 1:125 1:078 :906 :878	1.055 1.072 1.086 1.095 1.049 .876 .848	1.157 1.157 1.149 1.127 1.108 .988 .945	942 944 952 962 968 900 857	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690		1 a 240 1 a 246 1 a 262 1 a 264 1 a 213 1 a 065 a 819 a 867	1.139 1.142 1.147 1.161 1.160 1.111 .923	1.097 1.15 1.124 1.092 .979 .822 .870	1.180 1.181 1.178 1.171 1.150 .994 .965	
Upper Upper	•560 •580 •600 •620 •640 •660 •680 •688		1.472 1.266 1.223 1.101 1.143 .881 .790	1.383 1.066 1.115 1.131 1.093 .943 .768	1.424 1.048 1.114 1.078 1.086 .920 .748	1.480 1.154 1.152 1.115 1.125 1.022 .803 .772	1.420 .927 .951 .957 .957 .913 .763	• 560 • 580 • 600 • 620 • 640 • 660 • 680		1.515 1.290 1.249 1.121 1.145 .871 .800	1.117 .965 .789	1.084 1.152 1.105 1.073 .877 .745	1.517 1.176 1.175 1.144 1.155 1.048 .830 .806	1
Deflector Lower	6560 6580 6600 6620 6640 6660 6880	1.336 1.325 1.326 1.315 1.338 1.397	1.197	1.887 1.474 1.250 1.168 1.130	1.770 1.799 1.738 1.521 1.319 1.151 1.088 1.047	1.967 1.916 1.140 1.111 1.079 1.054	1.399 1.410 1.313 1.152 1.061 1.017 .999	.580	1.286 1.286 1.275 1.300 1.363	1 · 239 1 · 202 1 · 150 1 · 170	1.761 1.359 1.212 1.147 1.114 1.092	1.747 1.779 1.641 1.344 1.158 1.061 1.030	1.091 1.065 1.048	101111111111111111111111111111111111111

TABLE 13. - PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{\rm S} = -0.020\,{\rm c}; \,\delta_{\rm d} = -0.01500\,{\rm c}\right]$ a = 60 Pressure coefficient  $C_p$  at  $\frac{y}{b/2} = -$ Pressure coefficient  $C_p$  at  $\frac{y}{b/2} =$ x/c 0.30 0.50 0.70 0.85 0.85 0.97 .850 • 782 2 • 756 .395 .000 1.639 1.614 1.614 .010 4.332 1.897 1 . 699 .010 2.718 2 . 442 1.827 1.806 2.677 1.875 1.694 .030 .030 .050 2.117 1.832 1.718 1.696 1.688 1.602 1 . 446 1.646 .050 1.668 1.347 1.653 1.592 1.225 .075 1.630 2.027 1.805 1.668 .075 .100 1.486 1.556 1.616 1.616 1.638 1.574 1.240 .100 1.549 1.550 1.507 1.148 1.537 1.154 1.090 . 150 1.496 1.600 1.374 .150 1.389 .200 1.428 1 . 485 1.561 1.524 1.488 1.121 1.331 1.357 1.364 1.330 .200 1.338 1.444 1.474 1.108 1.407 1.277 1.053 . 250 .250 1.329 1.294 1.341 .300 1.358 1.408 1.422 .300 1.281 1.271 1.260 1.281 1.373 1.355 1.094 1.311 .350 1.227 1.215 1.036 .350 1.267 1.077 1.019 . 400 1.306 1.266 1.290 .400 1.260 1.222 1.072 . 450 1.268 1.230 1.238 1.281 1.279 1.187 1.009 •450 •500 1.230 1.150 1.160 1.149 1.107 1.256 1.192 1.223 1.016 1.082 •957 •938 1.171 .500 1.221 1.127 o 995 .520 1.224 1.148 1.180 1.231 1.231 1.108 .520 1.184 1.089 .538 1. 167 1.156 1.218 1.224 .919 1.257 1.263 1.205 1.051 1.097 1.078 1.118 1.252 1.653 1.757 .710 1.212 1 . 647 1.631 1 . 533 .710 1.190 1 . 647 .720 1.221 1.648 1 . 644 1.555 1.832 •720 •740 1.204 1.649 1.667 1.625 1.579 1.623 1.543 1.509 1.261 1.208 1.573 1.627 1.573 1.693 1.253 1.175 1.447 1.468 1.196 .760 1.217 1.493 1 . 494 .760 1.202 1.479 1.490 1.223 1.413 1.360 1.357 1.365 1.169 .780 1.211 1.401 1.372 1.208 1.118 1.172 1.095 .800 1.201 1.354 1.283 Surface .800 1.188 1 . 345 1.173 1.234 1.149 1.153 1.071 . 850 1.237 1.039 1.186 1.168 1.144 .990 .949 1.102 1.088 1.089 .972 . 950 1.111 1.123 1.105 .950 1.000 1.111 . 897 1.068 1.084 1.055 1.063 1.000 1.110 .659 .848 Wing •472 •604 •677 •760 •521 •634 •701 •587 •729 •800 •596 •716 •781 •841 .674 .821 .010 .545 0598 .636 ·411 .512 .634 . 739 .831 .859 . 050 .525 .606 .050 .634 .601 .662 .774 · 687 .075 .765 0777 .857 •075 •700 •751 A788 .875 .858 .846 .798 . 825 . 888 893 4924 . 424 .100 964 . 150 . 843 . 887 . 886 . 949 .150 .859 .948 .996 . 918 .908 936 4956 .940 .870 1.023 .986 1.048 995 1.015 .971 .200 . 977 1.025 1.045 972 . 250 .847 0972 .971 1.046 .250 .912 .958 1.029 .951 1.023 1.005 1.023 .300 1.020 1.098 1.094 1.051 1.062 1.050 1.032 1.031 954 1.070 1.087 . 981 . 350 .350 1.081 . 400 956 1.065 1.078 1.142 1.117 1.041 a400 a450 a500 1.077 1.133 1.197 1.172 1.083 1.065 1.078 . 946 1.129 1.154 1.091 1.106 965 1.188 915 1.041 1.055 1.089 .934 . 500 1.144 1.137 1.110 1.174 1.189 1.143 10144 .520 1.087 1.016 1.054 .897 1.062 .520 1.189 1.169 1.115 1.028 1.058 989 985 1.040 .877 1.031 .874 .540 1.133 1.063 .988 .540 1.209 . 710 1.212 1.024 . 981 1.055 . 880 •710 .989 1.070 . 896 1 . 252 1.049 1.010 1.004 1.068 922 1.096 1.045 . 994 1.006 .931 .740 1.213 1.030 1.001 1.003 1.036 .760 1.168 1.093 1.050 .760 1.200 1.118 .780 1.183 1.097 1.030 1.007 1.038 .924 1.050 .780 1.010 1.046 .929 1.018 1.037 1.041 . 800 1.152 1.069 1.037 1.058 .800 1.180 1.092 .929 . 850 1.131 1. 105 1.050 1.024 1.048 .850 1.153 1.128 1.064 1.028 1.053 .939 .931 1.049 1.055 1.033 .934 . 900 1.124 1.095 .900 1.140 . 950 1.110 1.078 1.056 1.040 1.073 .942 1.028 .943 950 1.122 1.091 1.062 • 560 • 580 1.181 4560 1.211 1.088 1.206 1,201 . 998 1.082 .580 1.131 1.115 1.127 1.196 1.006 .955 1.217 1.122 1.132 .600 1.170 1.139 .600 1.188 1.005 .962 1.218 . 620 1.184 1.189 1.209 1.192 1.141 .620 1.156 1.180 1.184 1.180 1.208 1.010 1.165 1.157 1.146 1.120 . 640 .640 .660 1.212 1.152 1.228 1.173 1.180 1.208 .660 1.154 1.173 1.212 . 984 .680 1.143 1.151 1.134 1.196 .969 .958 1.122 1.108 . 950 .690 1,225 10149 1.208 .690 1.252 1.153 .560 .580 1.263 1.168 .560 1.116 1 . 282 .580 1.260 1.124 1.278 • 945 • 940 • 922 1 . 282 1.176 •957 •954 •927 .600 1.274 1.161 1.239 .600 1.113 1.128 .620 1 . 294 1.189 .620 . 640 1 . 254 1.192 1.149 1.250 1.236 1.174 1.134 1.221 1.089 1.154 1.181 ·865 1.141 1.051 . 660 1.099 1.121 .660 1.083 • 826 • 885 . 864 0771 . 680 4939 4950 4680 .817 .927 .847 .909 . 854 1.010 .792 .855 .989 . 8u1 .690 .690 1.302 .929 .955 1:505 1.275 .560 .580 1.568 1.481 1:274 .580 1 • 274 1 • 147 1 • 171 1.173 1.126 .600 .620 1.266 .946 1.263 1.231 .600 1.156 1.230 1.136 •910 .620 1.172 1.114 1.192 . 64 u 1.144 10137 .640 .660 4 884 .979 . 660 4 954 1.043 .803 .880 .960 .769 1.068 .812 4 826 . 787 .673 .865 . 680 .817 . /91 .683 .767 0634 . 688 A 825 .799 .788 0151 .688 .817 Deflector 1.267 1 · 844 1 · 655 1 · 239 1.313 1.249 1.239 1.909 1.718 . 56U 1 . 847 1 696 1.842 .560 . 200 10293 .580 1.703 1.423 1.191 1.180 1.344 1.274 1.542 1.220 1.225 . 600 .600 1.077 1.081 . 62u 1.198 1.164 1.122 .620 1.239 1.159 1.078 . 64u 1.191 1.151 1.047 1.088 0974 1.179 10007 1.110 1 . v 79 1.093 1.008 .948 1.058 .968 Tenan 1.020 1.069 4 66 U 1.217 1.101 .660 1.255 1.119 1.036 o 997 1.039 1.317 680 1.146 10064 1.001 .400 T.008 . 966 .910 . 688 1.102 1.070 .688 1.106

TABLE 13 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.020 \, c; \, \delta_{d} = -0.01500 \, c\right]$ 

a = 8 0

a = 10 0

1			Pressure	coefficien	t C <sub>p</sub> a	$\frac{y}{b/2} = -$			T	ressure c	oefficient	C <sub>n</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15			0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.9
-		0.15	0.30	0.50	0.70	. 0.00	0.97		0.15	0.50	0.50	0.70	0.00	0.8
	.000	1.857	1.036	.642	1.089	.781	.853	.000	2.022	1.238	•797	1.279	.876	09
	.010	4.355	2.653	1.978	1.709	1.557	1.343	•010	4.235	2.615	2.005	1.722	1.579	1.3
	•030	2.269	2.672	1.976	1.698	1.567	1.325	.030 .050	4.370	2 · 602 2 · 592	1.994	1.710	1.570	1.3
	•050 •075	2.091	2.685	1.960	1.696	1.575	1.289	.075	2.150	2.590	1.975	1.708	1.572	1.3
	.100	1.740	2.725	1.944	1.680	1.578	1.274	.100	1.903	2.630	1.963	1.703	1.573	1.2
	.150	1.620	2.575	1.910	1.671	1.570	1.248	.150	1.729	2.727	1.941	1.693	1.581	1.2
	.200	1.523	2.085	1.891	1.649	1.549	1.231	.200	1.611	2.541	1.927	1.685	1.577	102
	.250	1.483	1.599	1.865	1.631	1.519	1.217	• 250	1.552	2 • 245	1.918	1.673	1.582	10
	.300	1 . 415	1.327	1.829	1.609	1.494	1.204	• 300	1.483	1.920	1.910	1.662	1.578	102
GR	•350	1.389	1.242	1.755	1.582	1.464	1.194	• 350 • 400	1.449	1.637	1.885	1.619	1.560	10
Upper	•400 •450	1.330	1.200	1.575	1.513	1.405	1.173	.450	1.385	1.336	1.784	1.599	1.555	1.
P	•500	1.309	1.137	1.480	1.453	1.380	1.153	.500	1.363	1.232	1.711	1.556	1.539	10
	.520	1.281	1.095	1.459	1.471	1.369	1.138	•520	1.342	1.208	1.692	1.568	1.535	10
- 1	.538	1.289	1.139	1.449	1.466	1.355	1.126	• 538	1.345	1 . 236	1.698	1.564	1.523	1.
-	.710	1.254	1.698	1.625	1.477	1.554	1.188	•710	1.266	1.762	1.692	1.449	1+402	1.
	•720	1 . 253	1.690	1.641	1.484	1.630	1.204	• 720	1.275	1.595	1.707	1.447	1.422	10
	•740 •760	1.257	1.586	1.480	1.499	1.487	1.183	.760	1.270	1.457	1.575	1.451	1.367	1.
	.780	1.250	1.399	1.317	1.410	1.263	1.160	.780	1.277	1.368	1.389	1.429	1.353	10
	.800	1.231	1.342	1.226	1.334	1.240	1.134	.800	1.251	1.306	1.313	1.400	1.343	10
	.850	1.199	1.247	1.170	1.238	1.221	1.102	.850	1.215	1.224	1.286	1 . 346	1.336	10
- 1	•950	1.129	1.134	1.107	1.163	1.163	1.038	• 950	1.131	1.126	1.183	1.247	1.263	1.
	1.000	1.117	.675	•939	1.144	1.139	0992	1.000	1.118	.683	.987	1.218	1.234	1.
	.010	.170	.353	.396	.438	. 499	٠537	.010	.106	. 332	.359	. 395	+436	
	.030	.308	• 436	.514	•554	647	•669 •735	.030	•226 •329	· 376	.455 .525	. 491 . 563	.610	
	●050 ●075	.411 .499	•520 •605	.588 .675	.624	•667 •710	.803	.075	.423	. 528	.605	.632	+662	
.	.100	• 567	.663	.717	.760	.779	.834	.100	.493	.591	.659	.702	.736	
	.150	679	.767	.809	.828	. 845	.873	.150	.609	.698	0754	0772	.806	
	.200	.731	.843	.851	.887	.911	.898	.200	.671	a 778	.798	.839	.878	
	.250	.786	.899	•908	. 932	.948	.911	.250	.736	. 832	.861	a 888	1923	
	•300	.898	• 964	• 960	• 964	. 983	• 922	· 300	.827 .915	• 901 • 953	.916	• 922 • 964	• 956 • 998	
P	e 350	.967 1.022	1.014	1.073	.995 1.016	1.020	• 928 • 938	.400	•968	1.041	1.035	993	1.024	
Lower	.450	1.085	1.064	1.048	1.049	1.056	.930	. 450	1.037	1.020	1.020	1.025	1.052	
리	.500	1.097	1.110	1.084	1.034	1.055	.915	.500	1.054	1.073	1.069	1.022	1.060	
- 1	.520	1.097	1.124	1.075	1.019	1.044	.894	.520	1.054	1.098	1.072	1.015	1.053	
- 1	•540	1.125	1.117	1.062	1.006	1.032	.876	• 540	1.079	1.110	1.086	1.013	1.060	
	•710	1.185	1.003	• 964	. 991	1.062	.868	•710	1.152	1.028	1.005	1.004	1.079	
1	•740	1.151	1.049	1.002	.998 1.011	1.008	•925 •929	.760	1.117	1.050	1.036	1.022	1.025	
	•760 •780	1.157	1.076	1.014	1.022	1.048	.926	.780	1.139	1.056	1.016	1.032	1.071	
	.800	1.129	1.053	1.026	1.029	1.051	.934	.800	1.109	1.031	1.030	1.042	1.076	
	.850	1.113	1.092	1.041	1.046	1.068	.937	.850	1.097	1.077	1.052	1.072	1.105	
- 1	.900	1.110	1.084	1.049	1.074	1.084	۰946	. 900	1.099	1.074	1.071	1.105	1.124	
	e 950	1.107	1.074	1.051	1.088	1.108	•964	o 950	1.097	1.063	1.084	1.129	1.167	•
	.560	1.284	1.087	1.428				.560	1.337	1.132	1.668	1 505		
H	•580	1.268	1.151	1.385	1.432	1.334	1.126	.580 .600	1.321	1.202	1.621	1.535	1.504	1
Upper	.600 .620	1.261	1.161	1.347	1.400	1.318	1.111	.620	1.298	1. 195	1.571	1.510	1.474	10
55	.640	1.249	1.183	1.303	1.379	1.302	1.101	. 640	1.281	1.185	1.515	1.491	1.452	10
D	.660	1.266	1.167	1.276		1.299	1.095	. 660	1.295	1.177	1.469		1.446	1
il	·680	1 . 256	1.162	1.255	1.353	1.277	1.072	.680	1.282	1 . 174	1.457	1 . 468	1.429	10
	.690	1.261	1.111	1.223	1.325	1.262	1.055	.690	1.286	1 . 128	1.429	1.441	1.414	1
Lower	•560		1.280	1.200	1 150	1.204	.941	• 560		1.294	1.270	1.182	1.356	
4 54	•580		1.302	1.207	1.150	1.304	941	.580 .600		1.303	1.277	1.193	1.353	
ve.	•600 •620		1.314	1.231	1.174	1.309	.937	.620		1.323	1.300	1.205	1.361	
0	•640		1.271	1.229	1.187	1.267	.926	.640		1.280	1.284	1.220	1.308	
H	.660		1.114	1.166	1.137	1.150	.879	. 660		1.118	1.208	1.167	1.168	
	.680		ø825	0954	.906	.921	.783	.680		. 828	995	919	0921	
	. 690		.887	.933	.876	1.004	.802	. 690		. 914	1.003	. 886	1.008	•
	e560		1.600	1.522		1.674	1.267	• 560		1.629	1.604	1.689	1.742	1
H	•580		1.336	1.300	1.204	1.294	• 933 • 940	.580 .600		1.348	1.218	1.173	1.340	1
per	•600 •620		1.289	1.224	1.161	1.256	.927	.620		1.168	1.280	1.193	1.297	
Up	•640		1.187	1.175	1.178	1.236	905	.640		1.187	1.227	1.209	1.270	
	.660		.892	.990	1.000	1.045	.811	.660		. 897	1.019	1.026	1.060	
Upp	.680		.841 .841	.828	.817 .795	.895 .872	.685	. 680 . 688		. 853 . 850	.867 .865	.832 .813	.918 .895	
	o 6-88		*241	.823	0 / 95	0012								
Wer	•560 •580	1.225	1.808	1.815	1.710	1.819	1.293	• 560 • 580	1.125	1.787	1.754	1.703	1.413	1
L	o 600	1:156	1.167	1.141	1.243	14217	1.152	.600	1.120	1.131	1.130	1.155		1
We.	.620	1.159	1.147	1.102	1.068	1.079	1.011	.620	1.124	1.122	1.088	1.063	1.100	10
Lower	•640	1.154	1.132	1.057	1.047	1.090	• 946	. 640	1.118	1.103	1.046	1.045	1.102	
-	9660	1.183	1.079	1.032	1.011	1.052	• 942	660	1.147	1.048	1.009	1.015	1.070	-
	#680 #688	1.243	1.093	1.015	1.001	1.035	.921 .886	.680 .688	1.210	0 991	1.008 .953	1 003	1.054 .958	
			1.022	0962	o 957	.950	0000	1 0000	TOTOO	0774	4700	0.45.0	4750	

TABLE 13 - PRESSURE COEFFICIENTS - Continued  $\left[ \delta_{\rm S} = ^{-0*020} c; \; \delta_{\rm d} ^{=-0*01500} c \right]$ 

 $\begin{bmatrix} \delta_{\rm g} = -0.020 \, {\rm c}; \; \delta_{\rm d} = -0.01500 \, {\rm c} \end{bmatrix}$   $\alpha = 12^{\circ}$ 

			Pressure	coefficien	nt Cp a	at $\frac{y}{b/2} = -$	_		I	Pressure C	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	.000 .010	•138 •321	1.352	•917 1•990	1.453	• 962 1•622	1.118	.000 .010	1.138	1.343	1.020	1.631	1.140	1.279
	•030 •050	•312 •306	2.462	1.967	1.700	1.614	1.318	.030	2.357	2.215	1.922	1.726	1.662	1.393
	•075	• 295	2.431	10955	1.701	1.615	1.321	.075	2.358	2.215	1.909	1.731	1.665	1.404
	•100	• 282	2.422	1.945	1.696	1.615	1.327	•100	2.352	2.210	1.902	1.726	1.668	1.406
	•150 •200	• 247 • 208	2.454	1.928	1.696	1.625	1.337	• 150	2.327	2.203	1.892	1.731	1.678	1.422
	•250	0177	2.383	1.911	1.688	1.644	1.353	• 250	2.201	2.203	1.875	1.734	1.706	1.446
	•300 •350	• 158 • 152	2.268	1.906	1.688	1.652	1.355	• 300 • 350	2.058	2 0 184	1.865	1.743	1.726	1:450
Upper	•400	.148	1.945	1.875	1.680	1.672	1.348	•400	1.765	2.076	1.848	1.748	1.745	1.451
Up	.450 .500	• 143	1.802	1.845	1.648	1.665	1.340	• 450	1.659	2.009	1.835	1.743	1.725	1.443
	•520	140 136	1.634	1.782	1.655	1.640	1.325	•520	1.538	1.898	1.803	1.722	1.700	1.426
	•538	•137	1.634	1.776	1.656	1.626	1.311	• 538	1.529	1.893	1.794	1.728	1.687	1.410
	•710	•126 •128	1.871	1.689	1.438	1.410	1.233	•710	1.344	10 933	1.624	1.445	1.458	1.301
	.740	·128	1.692	1.746	1.434	1.417	1.242	0740	1.349	10946	1.629	1.448	1.465	1.305
	•760 •780	•127 •129	1.498	1.658	1.436	1.410	10225	•760	1.334	1.550	1.581	1.454	1.465	1.296
Surface	.800	.126	1.315	10467	1.429	1.406	1.193	.800	1.325	1.487	10220	1.465	1.473	1.275
urfa	.850 .950	• 123 • 115	1.251	1.405	1.417	1.353	1.179	• 850 • 950	1.299	1.431	1.515	1.419	10487	1.266
e Su	1.000	•113	.693	1.041	1.297	1.320	1.071	1.000	1.181	. 705	10107	1.367	1.403	1.147
Wing	.010 .030	•010 •020	•332 •354	•345 •418	•373	.448	• 488 • 60 ī	.010	.072 .176	· 333 • 337	• 346 • 394	• 365 • 424	•496	.497 .607
	•050 •075	e030	· 425	• 484 • 558	.515	.628	.756	0050	• 265 • 355	a 395	. 453 . 526	+478 +542	+598 +593	· 685
1 1	•100	.046	.554	•609	0647	0697	•799	.100	• 426	·547	02/4	.606	+653	.811
	e 150	•057	.659 .143	•708 •755	o /31	•777 •854	.848 .887	• 150 • 200	• 535	· 617	• 669 • 723	.694 .758	.740 .818	.870 .918
	.250	.070	000	.823	.851	.900	0909	• 250	0669	• 757	0791	.819	.873	.941
	•300	•078	e 868	. 884	. 887 . 933	•947 •990	• 926	• 300 • 350	.750 .839	• 826 • 893	. 852 . 886	. 860 . 909	+923	• 962 • 976
Lower	· 350	•087	1.016	1.011	964	1.016	6939 6952	0 400	.902	983	983	1942	1.001	0992
3	.450	.100	1.003	•998	1.005	1.047	•951	• 450 • 500	•975	938	977	1.004	1.038	• 996 • 988
1	e500	•102 •103	1.063	1.057	1.014	1.063	•941	•520	1.007	1.089	1.040	1.008	1.062	.976
	.540	.105	1.114	1.102	1.017	1.081	.902	.540	1.029	1.134	1.099	1.024	1.104	6947
	•710 •740	•113 •110	1.028	1.000	1.004	1.039	. 895 . 956	•710 •740	1.098	. 965 1.023	1.010	1.010	1.049	1.007
	.760	.110	1.053	1.041	1.032	1.076	• 963	e760	1.096	1.050	1.051	1.043	1.089	1.017
	.800	• 112 • 109	1.060	1.023	1.060	1.090	•960	• 780 • 800	1.098	1.060	1.033	1.057	1.100	1.012
	.850	.108	1.087	1.072	1.094	1.126	•977	.850	1.096	1.101	1.100	1.111	1+153	1.035
	•900	•109	1.091	1.105	1.138	1.163	♦995	• 900	1.111	10119	1.147	1.216	1.262	1.058
	•950	•109 •135	1.087	1.761	1.177	1.216	1.016	• 950	1.495	1. 140	1.794	1.216	1.262	14402
F4	•560 •580	0133	1.523	1.761	1.630	1.603	1.288	•560 •580	1.461	1.811	1.786	1.715	1.699	1.380
obe.	a600 a620	•132 •130	1.440	1.693	1.621	1.588	1.272	.600 .620	1.437	1.781	1.764	1.721	1.713	1.357
G.e.	.640	.128	1.399	1.654	1.599	1.588	1.243	. 640	1.377	1.714	1.737	1.734	1.738	1.347
fac	.660 .680	•130 •128	1.370	1.610	1.593	1.589	1.234	. 660 . 680	1.365	1.683	1.694	1.739	1.743	1.355
r surface: Upper	.690	• 128	1.293	1.602	1.569	1.566	1.200	. 690	1.362	1.645	1.720	1.709	1.705	1.335
Spoiler	•560		1.307	1.306				•560		1.375	1.318	1 000		1.050
Spo	•580 •600		1.314	1.305	1.210	1.412	• 986 • 987	•580 •600		1.379	1.320	1.235	1.471	1.050
Sp	.620		1.340	1.335	1.239	1.417	.986	.620		1.386	1.358	1.265	1.472	1.050
Ĭ	o640		1.305	1.235	1.250	1.346	•977	o 640		1.345	1.254	1.279	1.208	1.009
	.680		e 862	1.011	.926	• 946	ø852	.680		.970	1.005	0951	.971	0927
	•690		•974	1.036	.898	1.061	.874	•690		1.089	1.032	•917	1.123	0937
H	•560 •580		1.656	1.651	1.725	1.825	1.308	• 560 • 580		1.762	1.669	1.775	1.901	1.382
obe	e620		1.321	1.306	1.263	1.398	●987 ●972	· 600 · 620		1.223	1.326	1.288	1.452	1.050
UL	.640		1.222	1.258	1.240	1.302	.957	.640		1.260	1.282	1.269	1.335	1.020
surface: Uppe	.660 .680		•914 •859	1.042	1.045 .856	1.084	.878 .747	•660		• 963 • 875	0913	1.062	1.112	•940 •797
or su	•688		. 855	.888	. 836	936	.701	. 688		.877	909	. 858	•969	1745
Deflector	•560 •580	•110	1.805	1.662	1.696	1.800	1.368	.560 .580	1.136	1.713	1.575	1.701	1.767	1.450
Def	.600 .620	•109 •110	1.138	1.123	1.060	1.111	1.118	.690 .620	1.078	1.127	1.070	1.093	1.113	1.031
Def	•640	•110	1.122	1.076	1.053	1.111	• 968	· 640	1.082	1.089	1.070	1.059	1.113	1.031
-		.112	1.048	1.013	1.022	1.077	0977	.660	1.109	1.035	1.0013	1.027	1.083	1.037
	.680 .688	•118 •109	1.063 .988	1.000 .948	1.011	1.063	•961 •917	. 680 . 688	1.099	1.050	1.006	0971	1.069	1.018
	,	4207	0,00	- 740	0,01			-					- 7-0-0	

TABLE 13 .- PRESSURE COEFFICIENTS - Continued

$$\delta_{s} = -0.020c; \delta_{d} = -0.01500c$$

a = 16

a = 18°

	1-	]	Pressure	coefficient	: C <sub>p</sub> at	$\frac{y}{b/2} = -$	-	- /-	P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Surface: Upper	*000 *010 *030 *055 *100 *250 *250 *350 *500 *550 *538 *710 *720 *740 *780 *850 *850 *850 *780 *780 *780 *780 *780 *780 *780 *78	1 + 082 2 + 140 2 + 124 2 + 133 2 + 132 2 + 123 2 + 123 2 + 116 2 + 094 2 + 057 1 + 959 1 + 959 1 + 959 1 + 1530 1 + 530 1 + 530 1 + 530 1 + 530 1 + 540 1	1.348 2.128 2.101 2.096 2.101 2.103 2.096 2.089 2.089 2.089 2.089 2.050 2.019 1.970 1.955 1.949 1.958 1.958 1.958 1.966 1.747 1.666	1.02 1.930 1.0994 1.886 1.886 1.885 1.855 1.855 1.855 1.855 1.855 1.852 1.854 1.859	1.757 1.768 1.760 1.765 1.765 1.765 1.772 1.772 1.777 1.755 1.777 1.755 1.777 1.755 1.768 1.471 1.471 1.487 1.487 1.487 1.487 1.487	1.232 1.678 1.670 1.671 1.673 1.681 1.696 1.712 1.731 1.731 1.695 1.770 1.740 1.740 1.740 1.740 1.465 1.478 1.478 1.478 1.478 1.478 1.478 1.478 1.478	1.335 1.384 1.386 1.392 1.393 1.403 1.442 1.442 1.442 1.445 1.446 1.446 1.446 1.446 1.446 1.286	.000 .010 .030 .050 .075 .100 .200 .250 .330 .400 .450 .520 .538 .710 .720 .740 .780 .800 .850 .950 .950	1.038 1.939 1.914 1.913 1.9915 1.922 1.922 1.922 1.992 1.892 1.886 1.677 1.886 1.771 1.886 1.771 1.886 1.771 1.886 1.771 1.886	1. 324 1. 956 1. 929 1. 924 1. 923 1. 933 1. 933 1. 925 1. 922 1. 923 1. 920 1. 908 1. 903 1. 864 1. 824 1. 824 1. 824 1. 825 1.	1.147 1.889 1.856 1.856 1.856 1.856 1.856 1.854 1.857 1.856 1.854 1.851 1.831 1.832 1.849 1.583 1.583 1.583 1.552 1.583	1 · 882 1 · 770 1 · 775 1 · 7760 1 · 7760 1 · 7767 1 · 787 1 · 788 1 · 778 1 · 778 1 · 777 1 · 775 1 · 825 1 · 498 1 · 499 1 · 499 1 · 499 1 · 505 1 · 515 1 · 516 1 ·	1.318 1.622 1.674 1.674 1.674 1.675 1.673 1.773 1.773 1.773 1.775 1.709 1.709 1.504 1.504 1.504 1.551 1.551 1.551 1.551 1.555 1.553 1.553	1.341 1.352 1.354 1.354 1.363 1.380 1.389 1.4400 1.411 1.402 1.386 1.386 1.385 1.286 1.287 1.282 1.282 1.282 1.283
Lower	1.000  .010 .030 .050 .075 .100 .150 .200 .250 .350 .350 .400 .520 .540 .710 .740 .778 .800 .850 .950	1.244 .059 .155 .245 .245 .245 .333 .401 .511 .775 .641 .725 .880 .990 .910 .117 .1101 .125 .104 .108 .114 .108	.718 .339 .329 .380 .444 .498 .593 .676 .733 .806 .874 .964 .905 1.113 1.196 .964 1.028 1.059 1.074 1.058 1.125 1.156	1.176  .355 .377 .427 .496 .542 .637 .689 .759 .823 .864 .960 .062 1.062 1.107 .951 1.001 1.005 1.005 1.025 1.125 1.125 1.125 1.125	. 365. . 407 . 457 . 516 . 578 . 662 . 733 . 796 . 839 . 991 . 994 . 975 . 999 1.008 1.030 1.050 1	*406 *508 *558 *628 *711 *794 *846 *996 *992 *1.022 *1.059 *1.107 *1.053 *1.089 *1.107 *1.270 *1.127 *1.270 *1.127 *1.270 *1.127	.489 .583 .664 .742 .789 .854 .911 .929 .951 .984 .991 .979 .985 .960 1.014 1.020 1.034 1.068	**************************************	039 123 212 295 362 475 5540 606 692 782 9847 991 1:115 1:104 1:136 1:114 1:127 1:127	.342 .316 .360 .417 .464 .559 .638 .700 .773 .843 .945 1.050 1.118 1.035 1.070 1.090 1.000	.365 .371 .407 .466 .515 .608 .664 .734 .841 .942 .949 1.027 1.053 1.125 .951 1.028 1.028 1.028 1.059 1.099 1.099	375 385 428 483 543 621 699 769 888 898 9962 1003 1004 1007 1007 1007 1007 1007 1007 1007	.407 .486 .533 .601 .692 .767 .827 .826 .975 .002 1.053 1.067 1.123 1.143 1.107 1.143 1.189 1.241 1.189	. 47' . 55' . 62' . 70' . 75' . 82' . 87' . 90' . 92' . 94' . 100
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.741 1.713 1.685 1.661 1.627 1.617 1.588 1.580	1.899 1.906 1.881 1.554 1.837 1.812 1.798 1.784	1.812 1.810 1.808 1.811 1.812 1.783 1.813	1.780 1.796 1.805 1.818	1.744 1.767 1.792 1.805 1.810 1.792	1.380 1.374 1.382 1.400 1.431 1.439	6560 600 620 640 6666 680 690	1.877 1.868 1.857 1.847 1.831 1.822 1.600	1.894 1.897 1.891 1.891 1.886 1.882 1.879	1.848 1.858 1.864 1.874 1.880 1.858 1.875 1.868	1.879 1.891 1.899 1.896 1.861	1.841 1.871 1.895 1.887 1.872 1.838	1.402 1.424 1.456 1.49 1.52 1.53 1.50
Spoiler Lower	.560 .580 .600 .620 .640 .660 .680		1.514 1.517 1.536 1.555 1.490 1.286 .989 1.194	1.369 1.380 1.391 1.420 1.415 1.307 1.019	1.263 1.276 1.294 1.314 1.254 .980	1.492 1.493 1.490 1.410 1.228 .989 1.135	1.063 1.065 1.065 1.056 1.019 .927	.560 .580 .600 .620 .640 .660 .680		1.621 1.628 1.670 1.713 1.611 1.304 .952	1.405 1.486 1.464 1.455 1.344 1.031	1.291 1.303 1.319 1.340 1.279 .995	1.542 1.542 1.544 1.458 1.261 1.012	1.08 1.08 1.08 1.07 1.03 .93
r surface: Upper	.560 .580 .600 .620 .640 .660 .688		1.939 1.574 1.516 1.359 1.377 1.034 .977	1.730 1.325 1.389 1.409 1.351 1.104 .952	1.831 1.247 1.323 1.280 1.300 1.090 .898 .872	1.928 1.472 1.471 1.419 1.364 1.129 1.003	1.399 1.059 1.064 1.051 1.036 .957 .823	• 560 • 580 • 640 • 640 • 660 • 680 • 688		2.081 1.690 1.644 1.480 1.464 1.078 1.051	1.770 1.358 1.424 1.455 1.393 1.124 .978	1.883 1.278 1.351 1.308 1.325 1.116 .916	1.995 1.521 1.523 1.470 1.408 1.163 1.040 1.015	1.07 1.08 1.06 1.05 .97 .832
Deflector Lower	.560 .580 .600 .620 .640 .660 .688	1.124 1.070 1.067 1.071 1.069 1.101 1.163 1.105	1.438 1.123 1.122 1.100 1.084 1.033 1.050	1.406 1.111 1.107 1.063 1.027 1.009 1.009	1.705 1.326 1.090 1.075 1.061 1.031 1.019 .974	1.746 1.127 1.107 1.111 1.081 1.070 .991	1.466 1.260 1.117 1.028 1.026 1.047 1.026 .982	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 688	1.103 1.053 1.049 1.056 1.057 1.090 1.155 1.122	1.203 1.113 1.111 1.093 1.078 1.026 1.051	1.290 1.099 1.099 1.062 1.027 1.013 1.009	1.699 1.237 1.089 1.077 1.064 1.031 1.024	1.744 1.101 1.120 1.122 1.090 1.081	1.46 1.24 1.08 1.02 1.03 1.05 1.03

TABLE 13 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.020 \, c; \, \delta_{d} = -0.01500 \, c\right]$ α = **22** °  $\alpha = 20^{\circ}$ 

			Pressure	coefficien	t Cp at	$\frac{y}{b/2} = -$	-		P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Upper	.000 .010 .030 .050 .075 .100 .200 .250 .400 .450 .520 .538 .710 .720 .740 .760	1.075 1.885 1.864 1.864 1.872 1.878 1.885 1.885 1.885 1.885 1.885 1.863 1.871 1.868 1.863 1.872 1.780 1.781 1.764	1.396 1.894 1.884 1.886 1.896 1.895 1.895 1.895 1.895 1.895 1.895 1.895 1.895 1.895 1.895 1.895 1.895 1.895 1.895	1.227 1.893 1.893 1.871 1.864 1.864 1.864 1.869 1.869 1.867 1.863 1.862 1.862 1.864 1.862 1.864 1.864 1.864 1.864 1.864 1.865	1.946 1.775 1.6751 1.6751 1.6751 1.6750 1.6750 1.6750 1.6760 1.6760 1.6760 1.6767 1.6807 1.6807 1.6804 1.523 1.514 1.514 1.524 1.514 1.522	1.393 1.659 1.6554 1.6552 1.6552 1.6552 1.6552 1.6570 1.6670 1.6671 1.6673 1.6782 1.782 1.793 1.522 1.519 1.522 1.526 1.538	1+335 1+329 1+328 1+329 1+3340 1+340 1+357 1+360 1+376 1+376 1+376 1+375 1+386 1+385 1+284 1+281 1+285 1+286	.000 .010 .030 .075 .100 .250 .300 .450 .520 .538 .710 .720 .740 .780	1.094 1.820 1.830 1.830 1.830 1.830 1.831 1.832 1.832 1.834 1.835 1.835 1.836 1.753 1.753 1.754 1.776	1. 438 1. 855 1. 850 1. 853 1. 857 1. 864 1. 864 1. 873 1. 875 1. 877 1. 877 1. 879 1. 888 1. 879 1. 888 1. 796 1. 772	1.273 1.849 1.827 1.824 1.827 1.824 1.827 1.825	1.962 1.741 1.736 1.6736 1.6736 1.6736 1.6736 1.6740 1.740 1.740 1.740 1.749 1.6839 1.6839 1.6837 1.5548 1.5535 1.5540 1.5546	1.481 1.663 1.657 1.656 1.657 1.666 1.667 1.667 1.672 1.669 1.673	1.312 1.302 1.300 1.304 1.312 1.329 1.335 1.335 1.335 1.370 1.273 1.274 1.273
Surface:	.800 .850	1.737 1.693 1.544	1.780 1.741 1.657	1.616 1.624 1.584	1.537 1.559 1.545	1.546 1.566 1.554	1.295 1.302 1.272	. 800 . 850 . 950	1.733 1.703 1.597	1.768 1.741 1.683	1.612 1.617 1.585	1.554 1.570 1.570	1.576 1.592 1.579	1.294
Wing Su	.010 .030 .050 .075	1.456 .031 .106 .188 .272	.741 .354 .297 .332 .381	1.298 .377 .358 .387 .443	1.503 .386 .375 .411	1.530 .414 .462 .505	1.226 .472 .531 .600 .680	010 030 050 075	.024 .088 .169 .248	. 748 . 368 . 289 . 314 . 359	388 345 368 420 459	0.535 0.401 0.367 0.392 0.437	0.425 0.425 0.450 0.487 0.550	.470 .516 .584 .658
Lower	.100 .150 .200 .250 .300 .350 .400 .500 .520 .540	.338 .449 .512 .582 .668 .763 .821 .900 .939 .948	.427 .520 .599 .664 .738 .807 .902 .921 1.029 1.104 1.228	.493 .580 .645 .709 .775 .827 .926 .943 1.020 1.058 1.135 .962	.516 .596 .670 .736 .787 .844 .892 .945 .982 .998 1.038	.566 .653 .735 .795 .855 .903 .955 1.001 1.004 1.0056 1.116	.730 .802 .851 .880 .905 .929 .954 .970 .981 .961	.100 .150 .200 .250 .300 .350 .400 .450 .520 .520	.413 .477 .546 .632 .726 .778 .864 .902 .913 .941	. 491 . 570 . 634 . 705 . 774 . 866 . 894 1.006 1.080 1.212 . 963	.547 .604 .677 .738 .793 .894 .910 .996 1.032 1.114	.569 .643 .710 .760 .822 .872 .929 .969 .990 1.041	.636 .714 .779 .837 .894 .994 .992 1.035 1.056 1.125 1.145	. 781 . 821 . 855 . 882 . 990 . 993 . 995 . 995 . 995 . 995
	.740 .760 .780 .800 .850 .900	1.099 1.103 1.136 1.118 1.140 1.199 1.263	1.041 1.082 1.104 1.093 1.186 1.250	1.042 1.089 1.078 1.109 1.171 1.244 1.322	1.040 1.064 1.084 1.106 1.157 1.226 1.307	1.008 1.111 1.129 1.144 1.193 1.252 1.340	1.019 1.029 1.022 1.037 1.053 1.081 1.132	.740 .760 .780 .800 .850 .900	1.080 1.090 1.125 1.107 1.135 1.200 1.283	1.037 1.083 1.100 1.093 1.194 1.262 1.346	1.075 1.067 1.098 1.162 1.239 1.323	1.040 1.067 1.086 1.109 1.166 1.236 1.320	1.0114 1.0138 1.0155 1.0203 1.0270 1.0357	1.02: 1.01: 1.03: 1.04: 1.08: 1.12:
surface: Upper	.560 .580 .600 .620 .640 .660 .680	1.860 1.856 1.849 1.846 1.834 1.832 1.820	1.894 1.894 1.894 1.894 1.896 1.896 1.898	1.896 1.904 1.912 1.919 1.925 1.894 1.917	1.910 1.917 1.910 1.903 1.863 1.841	1.867 1.887 1.897 1.871 1.851 1.817	1.440 1.464 1.498 1.522 1.546 1.549 1.524	.560 .580 .600 .620 .640 .660 .680	1.831 1.828 1.823 1.820 1.813 1.810 1.800 1.795	1 6 882 1 6 883 1 6 883 1 6 886 1 6 884 1 6 885 1 6 888 1 6 888	1.882 1.890 1.893 1.896 1.897 1.863 1.885	1.917 1.914 1.902 1.888 1.848	1.885 1.900 1.902 1.878 1.856 1.822 1.804	1.46: 1.50: 1.51: 1.53: 1.52: 1.50:
Spoiler Lower	.560 .580 .600 .620 .640 .660 .680		1.637 1.647 1.688 1.733 1.619 1.306 .963 1.284	1.437 1.447 1.464 1.498 1.496 1.377 1.049	1.312 1.322 1.336 1.363 1.302 1.007	1.559 1.564 1.563 1.467 1.253 1.018 1.200	1.083 1.083 1.083 1.068 1.032 .941	.560 .580 .600 .620 .640 .660 .680		1.630 1.637 1.680 1.725 1.612 1.292 .957	1.426 1.437 1.450 1.485 1.485 1.368 1.045 1.060	1.322 1.332 1.355 1.377 1.311 1.015	1.589 1.596 1.591 1.485 1.260 1.038 1.233	1.07 1.07 1.07 1.05 1.02 .93
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •688		2.119 1.712 1.659 1.495 1.473 1.083 1.060	1.816 1.386 1.459 1.493 1.425 1.154 1.005	1.914 1.293 1.372 1.326 1.347 1.137 .935	2.024 1.543 1.542 1.481 1.411 1.167 1.049	1.418 1.075 1.082 1.068 1.049 .965 .832 .780	.560 .580 .600 .620 .640 .660 .680		2.109 1.700 1.654 1.488 1.463 1.081 1.055	1.799 1.374 1.449 1.484 1.416 1.149 .998	1.941 1.309 1.385 1.342 1.366 1.147 .949	2.066 1.572 1.568 1.508 1.423 1.179 1.067	1.40 1.07 1.07 1.05 1.03 .95 .82
Deflector Lower	•560 •580 •600 •620 •640 •660 •688	1.035 1.033 1.044 1.044 1.078 1.147	1.049	1.222 1.097 1.101 1.064 1.033 1.018 1.019	1.687 1.164 1.089 1.074 1.059 1.031 1.022	1.707 1.078 1.107 1.113 1.083 1.077	1.431 1.0237 1.071 1.024 1.031 1.056 1.037	• 560 • 580 • 600 • 620 • 640 • 660 • 680	1.004 1.013 1.017 1.054	1.072 1.072 1.079 1.065 1.056 1.013 1.040	1.150 1.072 1.076 1.042 1.012 .998 1.001	1.6661 1.108 1.082 1.069 1.052 1.022 1.018	1.685 1.074 1.104 1.114 1.085 1.081 1.003	1.37 1.022 1.05 1.01 1.02 1.04 1.03

TABLE 13 .- PRESSURE COEFFICIENTS - Concluded

 $\delta_{S} = -0.020 \,c; \, \delta_{d} = -0.01500 \,c$ 

				= 23 0		V					α = * 0		V	
	x/c	I	Pressure	coefficient	0/2			x/c	P	_	coefficient	1	b/2	
		0.15	0.30	0.50	0.70	0.85	0.97		0.15	0.30	0.50	0.70	0.85	0.97
	.000	1.131	1.452	1.315	1.983	1.542	1.361	.000						
	.010	1.806	1.819	1.838	1.744	1.688	10301	0010						
	.030	1.803	10010	1.821	1.736	1.681	10301	0030						
	•050	1.802	1.813	1.816	1.736	1.680	1.302	050						
	•075	1.802	1.821	1.817	1.737	1.682	1.305	.100						
	.100	1.805	1.823	1.816	1.737	1.687	1.318	. 150						
	•150 •200	1.812	1.828	1.818	1.740 1.737	1.692	10727	.200						
	•250	1.824	1.836	1.817	1.736	10692	1.327	. 250						
	.300	1.831	1.839	1.818	1.735	1.688	10332	. 300						
	•350	1.834	1.842	1.816	1.740	1.693	10327	.350						
Upper	.400	1.838	I.845	1.823	10761	10707	10331	. 400						
d	.450	1.838	1.845	1.835	1.802	10756	1.338	a 45 0						
9	e500	1.842	1.845	1.853	1.857	1.820	10374	• 500						
	.520	1.841	1.846	1.863	1.875	1.862	1.394	•52∪						
	•538	1 . 845	1.852	1.668	1.898	10063	1.423	• 538						
	•710	1.782	1.878	10637	1.560	1.591	1.281	•710						
	•720 •740	1.776	1.774	1.626	1.551	1.596	1.284	.740						
	a760	1.759	1.761	1.623	1.553	1.591	1.288	.760						
	.780	1.758	1.754	1.622	1.561	1.399	1.293	.780						
	.800	1.743	10744	1.621	1.567	1.608	1.291	.800						
	.850	1.717	1.711	10623	10004	10621	1.300	a 85 0						
	.950	1.636	1.664	1.597	1.582	1.619	1.282	•95€						
	1.000	1.571	• 742	1.344	1.547	1.603	1.238	1.000						
	.010	•018	•370	o 399	• 413	. 444	.480 .512	.010 .030						
	•030	• 075 • 154	• 278 • 299	.342 .357	• 364 • 382	. 444	.577	.050						
	•050 •075	. 235	.336	•398	• 428	485	.646	0075						
	·100	.294	.377	.435	.478	0542	.696	.100						
	.150	.399	.461	·523	.557	.623	.766	. 150						
	.200	.461	.538	•583	.624	.713	·824	• 200						
	.250	•526	.601	.654	.693	•772	o 854	• 250						
	.300	.614	.671	.718	.743	.835	.878	• 300						
ź.	.350	•707	e741	.770	.805	.892	.902	• 350						
Lower	0400	•758	.830	.869	.859	0 944	.929	• 400						
9	e450	ø 845	.865	.891	•918	• 996	•952 •971	. 450 . 500						
-	a 5 QQ	.889	•972	.980 1.018	.960 .977	1.042	958	.520						
	•520	•898 •927	1.049	1.104	1.036	1.139	944	. 540						
	•540 •710	1.077	•936	.934	1.013	1.154	. 969	.710						
	.740	1.072	1.013	1.025	1.034	1.086	1.018	.740						
	.760	1.085	1.056	1.072	1.059	1.128	1.026	.760						
	.780	1.121	1.077	1.062	1.081	1.149	1.018	ø 780						
	.800	1.104	1.071	1.092	1.105	10100	1.036	.800						
	e850	1.137	1.171	1.161	1.164	1.220	1.050	e 850						
	900 950	1.303	1.332	1.242	1.234	1.289 1.387	1.081	e 900						
								540						
	•560 •580	1.845	1.853 1.853	1.886	1.925	1.923	1.488	•560 •580						
er	0600	1.837	1.853	1.888	1.917	1.936	1.504	0600						
Upper	.620	1.834	1.856	1.891	1.906	1.939	1.520	.620						
; >	.640	1.824	1.856	1.891	1.888	1.912	1.526	o 640						
3	.660	1.822	1.842	1.855		1.883	1.530	.660						
J	.680	1.809	1.854	1.874	1.850	1.851	1.523	• 680						
	•690	1.805	1.858	1.869	1.835	1.836	1.508	.690						
er	•560		1.602	1.431	1 222	1.622	1.002	• 560						
2	•580		1.609	1.441	1.333	1.632	1.082	a 580 a 600						
er	0600		1.656	1.458	1.342	1.634	1.081	a 620						
Low	•620		1.586	1.497	1.362	1.515	1.061	. 640						
Ă	•640 •660		1.271	1.373	1.320	1.279	1.021	.660						
	•680		0945	1.044	1.020	1.061	0933	. 680						
	•690		1.270	1.065	.993	1.268	.967	. 690						
	e560		2.077	1.809	1.963	2.119	1.416	• 560						
H	e580		1.629	1.377	1.319	1.607	1.075	. 580 . 600						
per	•600 •620		1.465	1.450	1.355	1.540	1.066	.620						
Surface.	•640		1.443	1.423	1.373	1.455	1.045	.640						
a l	.660		1.067	1.154	1.154	1.206	.961	• 660						
1	e680		1.038	1.005	.948	1.095	.827	. 680						
1	•688		1.063	•988	.932	1.071	.781	. 688						
ver	•560	1.034	1.075	1.110	1.637	1.665	1.329	•560						
1	•580	• 988	1.045	1.051	1.084	1.084	1.211	.580 .600						
ower	0600	• 990	1.045	1.062	1.080	1.113	1.022	e 620						
JB	•620	1.002	1.035	1.027	1.062	1.123	1.022	e 640						
0	•640	1.005	•985	•990	1.017	1.091	1.050	. 660						
Lo Lo			9702					. 680						
Lo	•660 •680	1.115	1.013	.993	1.014	1.089	1.034	e 688						

IS

TABLE 14 .- PRESSURE COEFFICIENTS

δ<sub>s</sub> = -0.040 c; δ<sub>d</sub> = -0.03000 c

a = -2 °

	S	o, d
-40		

x/c	v/0		Pressure	coefficien	t Cp a	$t \frac{y}{b/2} = -$		x/c	Pressure coefficient $C_p$ at $\frac{V}{b/2} = -$					
	Α/ C	0.15	0.30	0.50	0.70	0.85	0.97	11,0	0.15	0.30	0.50	0.70	0.85	0.9
1	.000	1.494	2.591	3.300	2.117	1.721	1.089	.000 .010	.390 .917	1.066	2.212	1.375	1.408	0.5
	.010	.653 .807	o 539	0476 0654	. 447 . 632	. 440 . 653	∘562 ∘788	.030	0985	959	. 843	• 795	6797	. 6
	.050	.873	.806	0740	.706	.730	.883	.050	1.015	. 976	. 896	. 846	.858	0 5
	.075	.879	. 856	0792	.768	.791	. 943	0075	0997	4 996	. 931	. 889	0909	0
	.100	.907	e 882	.830	.809	. 836	. 982	a 190	1.015	1.024	954	• 922 • 956	4 928 4 986	100
	.150	0951	.921 .943	.869 .894	.868 .892	.898 .926	1.033	200	1.043	1.025	985	958	988	100
	e200	4 968 4 999	• 954	904	.902	0937	1.040	0250	1.068	1.021	. 983	s 958	• 985	10
	.300	988	.960	0913	.914	0 956	1.045	e 300	1.048	1.022	. 984	• 958	0997	100
	.350	1.000	.957	.907	. 914	. 964	1.046	a 350	1.055	0 986	a 946	• 960 • 938	0972	10
Upper	4400	1.008	0932	888	895	• 943	1.030	a 400	1.057	937	896	0911	0943	
D D	o450	.998 1.003	.901 .811	.843 .781	.877 .790	. 922 . 833	.948	a 500	1.041	o 841	. 815	.819	.834	
	.520	0974	.756	0737	o782	0770	• 923	ø 520	1.014	€782	. 765	٥796	.778	
	.538	1.004	.717	.670	٠729	.787	.880	ø 538	1.044	1.856	1.771	10691	2.064	10
	.710	1.122	1.800	10647	1.596	2.058	1.453	.710 .720	1.148	1 869	1.765	1.686	2.079	10
	•720 •740	1.140	1.855	1.689	1.608	2.043	1.456	0740	1.187	1.901	1.783	1.683	2.187	10
	.760	1.155	1.838	1.741	1.620	1.555	1.453	. 760	1.178	1.883	1.835	1.695	2.043	10
	.780	1.172	1.742	1.734	1.610	1.200	1.448	. /8U	1.193	1.787	1.834	1.695	1.672	10
	.800	1.144	1.633	1.663	1.575	1.219	1.430	a 800	1.140	1.690	1.401	1:462	1.175	10
	• 850 • 950	1.081	1.059	1.015	1.081	1.205	1.375	a 95 0	1.098	1. 250	1.089	1.148	1.132	10
	1.000	1.086	.613	0541	. 989	1.073	.980	1,000	1.121	.620	.678	1.068	1.101	10
1								000	1 100	1.267	1.624	1.707	1.002	1.
	.010	1 . 546	1.800	2.072	2.027	1.958	1.705	0010	1.190	1.367	1 0 465	1.525	1.832	10
	.030 .050	1.325	1.453	1.626	1.887	1.827	1.563	. 050	1.100	1.247	1.390	1.450	1.507	10
	0075	1.224	1.390	1.557	1.718	1.698	1.416	.075	1.082	1.236	1.411	1.387	1 0 326	10
	.100	1.225	1.373	1.453	1.600	1.597	1.335	*100	1.101	1.241	1.324	1.386	1.258	10
	0150	1 0279	1.395	1.443	1.466	1.458	1.252	a 150	1.174	1.329	1.286	1.313	1.268	10
	•200 •250	1.225	1.391	1.360	1.384	1.342	1.243	a 25 0	1.152	1.334	1.304	1.011	1.242	10
	.300	1.324	1.412	1.362	1.342	1.309	1.233	.300	1.252	1.342	1.328	1.282	1.225	10
24	.350	1.354	1.422	1.319	1.323	1.286	1.225	0350	1.307	1.400	1.324	1.241	1.236	10
We	.400	1.404	1.454	1.238	1.286	1.266	1.221	a 450	1.345	1.348	1.233	1.215	1.162	10
OWer	.450 .500	1.437	1.365	1.193	1.193	1.212	1.163	# 200	1.383	1.351	1.195	1.154	14119	14
	.520	1.424	1.348	1.169	1.169	1.192	1.140	.520	1.378	1.351	1.177	1.134	1.099	10
	.540	1.443	1.339	1.170	1.183	1.210	1.148	a 540	1.399	1.361	1.193	1.169	1 + 151	100
	.710	1.395	0967	1.490	1.313	10179	1.357	a710	1.341	1.070	1.552	1.524	1.342	102
	o740	1.341	1.068	1.436	1.242	1.107	1.338	.760	1.291	10 317	1.425	1.336	1.286	102
	.780	1.307	1.133	1.360	1.174	1.103	1.302	ø780	1.290	1.129	1.346	1.275	1.235	10
	.800	1.275	1.110	1.311	1.155	1.094	1.304	.800	1.254	1.100	1.277	1.217	1.189	10
	.850	1.229	1.160	1.205	1.109	1.095	1.255	a 850	1.215	1.155	1.089	1.079	1.074	10
	• 900 • 950	1.203	1.145	1.050	1.095	1.088	1.165	. Y50	1.161	1. 115	1.070	1.062	1.079	10
	.560	1.033	.687	•698				a 560	1.070	• 707	.734 .821	.833	.832	
2	o580	1.025	.809	0792	.823	e 836	0924	a 580	1.074	6 834 6 887	. 863	879	1908	
pper	•600 •620	1.042	. 862 . 926	.850 .899	.876 .892	• 913 • 961	• 967 • 986	.620	1.094	952	935	.898	+964	
dD	·640	1.063	958	938	938	1.049	1.015	. 640	1.092	1.029	+ 969	ø 942	1.044	
	.660	1.124	0991	0972		1.114	1.034	a 66 U	1.148	1.055	• 995		1.100	10
	e680	1.116	1.031	1.026	1.047	1.182	1.055	# 68U	1.150	1.042	1.054	1.032	1.364	10
Up	.690	1.138	1.025	1.036	1.053	1.276	1.074	a 69 U	1.159	1.487	78 033	10020	14231	20
er.	•560		1.433	1.260				.560		1.479	1.314	-		
	.580		1.424	1.260	1.270	1.371	1.255	· 580		10479		1.305	1.356	10
er	.600		1.432	1.268	1.281	1.357	1.265	.600 .620		1.531	1.313	10314	1.358	10
Lower	•620 •640		1.457	1.267	1.292	1.322	1.281	a 640		10347	1.314	1.329	10309	10
ĭ	.660		1.338	10130	1.179	1.258	1.331	.660		1.039	1.265	1.260	1.260	la
	.680		1.065	1.045	1.051	1.137	1 • 225	.680		1.023	1.069	1.032	1.176	10
	0690		1.018	1.022	1.047	1.235	1.139	e 690		1.855	1.036	.990	1.212	10
	•560 •580		1.403	1.241	1.247	1.295	1.703	a 560		1.513	1.298	1.388	1.397	10
H	0600		1.389	1.237	1.303	1.328	1.266	.600		1.427	10235	1.341	1.336	10
obe	.620		1.218	1.197	1.234	10273	1.250	+626		1.239	1.000	1.250	1.267	10
D	0640		1.206	1.083	1.167	1.030	1.097	. 640 . 660		1 · 213	1.089 .825	1.141	0987	10
	.660 .680		.879 .800	0835 0734	.942 .810	.903	0843	.680		. 829	.730	.745	. 769	
Upper	.688		•790	0733	.803	.878	.788	a 6488		. 821	. 735	.742	.760	۰
	e560	1.526	2.433	1.580	1.849	2.112	1.799	● 560 ● 560	1.492	2.361	1.575	1.536	1.538	1.
	e580	1.454	2.449	1.594	1.795	1.689	1.724	.600	40463	2.301	10602	1.547	1.557	10
ower	a620	1.451	2.059	10579	1.554	1.500	1.526	0620	10444	1.853	10624	1.555	1.548	10
00	•640	1.436	1.494	10574	10467	1.398	10503	0640	10390	1 . 335	10001	1.573	1.533	10
H	.660	1.442	1.162	1.558	1.420	1.314	1.496	. 680 . 680	1.446	1. 126	1.620	1.563	1.582	10
	.680 .688	1.468	10133	1.532	1.381	1.258	1.459	· 688	1.146	1.007	1.632	1.533	1.436	10
		10109	10077	T0000										

TABLE 14.- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{s} = -0.040c; \delta_{d} = -0.03000c\right]$ 

	x/0		Pressure	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$		ĺ	11/0	P	ressure	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97		x/c	0.15	0.30	0.50	0.70	0.85	0.97
Surface: Upper	*000 *010 *030 *055 *075 *100 *150 *200 *350 *400 *550 *538 *710 *740 *740 *780 *850	**308** 1*319** 1*196** 1*205** 1*127** 1*135** 1*127** 1*139** 1*112** 1*094** 1*089** 1*062** 1*089** 1*188** 1*205** 1*220** 1*214** 1*226** 1*215** 1*226** 1*215** 1*226** 1*215** 1*226** 1*215** 1*226** 1*215** 1*226** 1*215** 1*226** 1*215** 1*226** 1*215*	.519 1.311 1.212 1.167 1.147 1.130 1.114 1.099 1.072 1.032 2.985 2.879 2.818 2.765 1.8861 1.876 1.990 1.878 1.886 1.886 1.886 1.887 1.886 1.878 1.878	.253 1.100 1.086 1.086 1.085 1.071 1.062 1.071 1.062 1.048 1.020 .982 .923 .242 .772 1.778 1.779 1.790 1.831 1.812 1.743	*487 * 58 1 e U 18 1 e U 26 1 e U 34 1 e U 34 1 e U 35 1 e U 31 1 e U 31 2 0 21 1 e U 31 2 0 21 2 0 21 8 31 8 31 8 31 8 749 1 e T 08 1 e T	*754 *927 1e021 1e022 1e054 1e061 1e046 1e046 1e045 1e045 *959 853 801 *788 2e021 2e020 2e020 1e748 1e	*354 *925 10019 10041 10088 10041 10051 10041 10055 10029 *779 *979 *979 *979 *979 *823 10384 1041 1042 1042 1044 1044 1044 1044 104		. UUU	*306 1.778 1.433 1.382 1.275 1.262 1.262 1.209 1.211 1.137 1.137 1.137 1.137 1.129 1.211 1.221 1.221 1.221 1.224 1		•178 1•638 1•385 1•303 1•252 1•237 1•186 1•126 1•126 1•138 1•077 1•032 •965 •877 •830 •775 1•803 1•803 1•808 1•762	*400 1 ± 583 1 ± 336 1 ± 238 1 ± 212 1 ± 212 1 ± 113 1 ± 093 1 ± 060 1 ± 016 • 963 • 874 • 840 • 799 1 ± 713 1 ± 715 1 ± 779 1 ± 715 1 ± 779 1 ± 715 1 ± 709 1	**326 1*553 1*227 1*226 1*214 1*171 1*122 1*072 1*069 1*014 **967 **558 **1952 1*952 1*952 1*952 1*952 1*952 1*952 1*952 1*952 1*952 1*952	2340 1c290 1c198 1c146 1c146 1c101 1c072 1c028 1
Wing Sur	.950 1.000 .010 .030 .050 .075 .100	1.112 1.130 .902 .921 .950 .964 .993 1.086	1.181 .639 1.009 1.049 1.063 1.086 1.116	1.125 .793 1.151 1.160 1.158 1.229 1.167 1.232	1.098 1.098 1.304 1.224 1.212 1.200 1.229 1.205	1.136 1.111 1.357 1.281 1.152 1.406 1.161	1.354 1.280 1.207 1.184 1.162		.950 1.000 .010 .030 .050 .075 .100	1.120 1.125 .642 .737 .795 .838 .879 .979		1.155 .880 .789 .912 .966 1.056 1.028 1.120	1.208 1.129 .870 .947 .992 1.026 1.069 1.095	1.098 .895 1.033 .976 1.068 1.035	1.075 1.007 1.007 1.007 1.0062 1.0075 1.0082 1.0074
Lower	.200 .250 .300 .350 .400 .450 .520 .540 .710 .740 .780 .850 .850 .850 .990	1 · 062 1 · 088 1 · 196 1 · 252 1 · 295 1 · 348 1 · 343 1 · 343 1 · 348 1 · 297 1 · 275 1 · 285 1 · 293 1 ·	1.232 1.241 1.280 1.311 1.364 1.312 1.334 1.346 1.376 1.064 1.106 1.106 1.122 1.094 1.112 1.142	10.182 10.250 10.225 10.283 10.201 10.181 10.172 10.211 10.493 10.408 10.330 10.236 10.168 10.059 10.059	1.216 1.235 1.212 1.212 1.192 1.181 1.132 1.120 1.166 1.493 1.371 1.263 1.207 1.142 1.064 1.004 1.004	1.192 1.181 1.176 1.176 1.161 1.138 1.099 1.083 1.154 1.469 1.295 1.236 1.191 1.111 1.083 1.082	1.137 1.116 1.107 1.099 1.093 1.007 1.003 1.272 1.204 1.168 1.148 1.148 1.129 1.100		• 200 • 250 • 300 • 350 • 400 • 450 • 500 • 520 • 540 • 740 • 780 • 800 • 950	.973 1.005 1.121 1.179 1.230 1.287 1.290 1.291 1.315 1.320 1.260 1.263 1.263 1.213 1.113 1.170		1.096 1.138 1.182 1.167 1.240 1.171 1.170 1.168 1.217 1.416 1.307 1.222 1.136 1.085 1.095 1.055	1 : 122 1 : 141 1 : 150 1 : 161 1 : 154 1 : 121 1 : 117 1 : 167 1 : 281 1 : 169 1 : 111 1 : 1064 1 : 024 1 : 036 1 : 036	1 c 0 98 1 c 0 98 1 c 113 1 c 119 1 c 117 1 c 103 1 c 0 76 1 c 0 82 1 c 126 1 c 126 1 c 126 1 c 126 1 c 0 93 1 c 0 58 1 c 0 59	1.083 1.075 1.065 1.065 1.068 1.052 1.007 1.008 1.200 1.142 1.109 1.078 1.078 1.078
: surface:	•560 •580 •600 •620 •640 •660 •680 •690	1.11 1.104 1.117 1.135 1.133 1.187 1.181 1.198	.736 .851 .911 .972 1.012 1.050 1.075	•736 •826 •889 •938 •976 1•003 1•052	.846 .895 .906 .948	.832 .906 .962 1.038 1.094 1.147	870 925 949 973 985 988		• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690	1.148 1.138 1.148 1.164 1.159 1.211 1.206		.782 .852 .910 .956 .996 1.020 1.066	0859 0905 0929 0966 10048	.828 .901 .955 1.020 1.081 1.133	.849 .900 .929 .957 .972 .975
Spoiler	.560 .580 .600 .620 .640 .660 .680		1.533 1.520 1.524 1.564 1.536 1.357 1.040	1.370 1.371 1.370 1.370 1.337 1.254 1.025	1.338 1.345 1.362 1.374 1.263 .995	1.380 1.384 1.379 1.341 1.275 1.141 1.170	1.236 1.241 1.261 1.286 1.250 1.082		640 640 640 660 660 660			1.399 1.401 1.394 1.396 1.355 1.264 1.032	1.372 1.375 1.393 1.397 1.266 1.006 .998	1.361 1.359 1.349 1.322 1.254 1.136	1:197 1:203 1:219 1:228 1:143 :973
r surface: Upper	.560 .580 .690 .620 .640 .660 .680		1.577 1.516 1.465 1.270 1.237 .899 .865 .862	1.351 1.241 1.313 1.273 1.090 .823 .760	1.431 1.277 1.367 1.270 1.150 .849 .758	1.435 1.360 1.365 1.286 1.183 .912 .779	1.412 1.226 1.233 1.203 1.113 .874 ./32		.560 .580 .600 .620 .640 .660 .680			1.376 1.265 1.338 1.293 1.106 .834 .766	1.471 1.301 1.395 1.295 1.173 .861 .771	1.401 1.331 1.338 1.267 1.169 .907 .774	1.389 1.186 1.174 1.151 1.058 .817 .692
Deflector Lower	.560 .580 .600 .620 .640 .660 .680	1.473 1.399 1.386 1.387 1.369 1.386 1.436	2.275 2.309 2.144 1.651 1.266 1.117 1.111	1.553 1.566 1.583 1.612 1.615 1.617 1.586 1.589	1.508 1.514 1.526 1.541 1.561 1.542 1.548 1.513	1.472 1.476 1.483 1.491 1.490 1.483 1.474	1.330 1.325 1.334 1.343 1.347 1.344 1.327		.600	1.430 1.357 1.343 1.341 1.328 1.344 1.397		1.533 1.549 1.569 1.590 1.591 1.578 1.530	1.499 1.510 1.523 1.539 1.556 1.522 1.512	1.509 1.522 1.500 1.484 1.443 1.407	1.275 1.277 1.285 1.296 1.286 1.272 1.251 1.241

TABLE 14 .- PRESSURE COEFFICIENTS - Continued

[8<sub>S</sub> = 0.040 c; 8<sub>d</sub> = 0.03000 c]

T			Pressure	coefficien	t Cp at	$\frac{y}{b/2} = -$	-		F	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0:15		0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.9
-		0.15	0.30	0.50	0.10	0.00	0.01		0.10	-	-			
	.000	.659	• 454	•308	•687	•387	.684	.000	1.067	.786 2.842	.457 1.841	a863 1a596	1.552	1.76
	.010	2 • 483	2 • 405	1.781	1.727	1.871	1.433	.010	4.233	2.714	1.821	1.611	1.538	1.62
	•030	1.617	2.050	1.642	1.651	1.561	1.302	.050	1.798	2 • 262	1.800	1.603	1.534	1053
	•050 •075	1.450	1.520	1.573	1.503	1.473	1.212	.075	1.606	1.793	1.757	1.588	1.517	1042
	.100	1.403	1.447	1.491	1.425	1.390	1.170	.100	1.550	1.488	1.700	1.555	1:491	1.3
	.150	1.359	1.344	1.362	1.325	1.297	1.124	• 150 • 200	1.473	1.423	1.501	1.434	1.394	lol
	•200	1.305	1.290	1.286	1.200	1.175	1.079	.250	1.365	1.374	1.405	1.377	1.347	lek
	•300	1.246	1.223	1.190	1.154	1.138	1.062	.300	1.308	1.329	1.322	1.324	1.304	101
H	.350	1.233	1.188	1.141	1.115	1.113	1.044	.350	1.285	1.273	1.243	1.274	1.262	101
Upper	.400	1.220	1.140	1.094	1.067	1.056	1.009	• 400 • 450	1.266	1. 147	1.118	1.183	1.197	1.1
dn	•450	1.188	1.084	1.034 .972	949	928	906	•500	1.217	1.067	1.053	1.132	1 0 156	1.0
	•520	10144	.948	933	.940	.886	.878	•520	1.187	1.034	1.033	1.130	10144	09
	.538	1.168	.915	.892	0913	.896	.84/	•538	1.208	1.007	.997 1.783	1.698	2.082	103
	.710	1.233	1.856	1.812	1.714	1.972	1.342	•710	1.259	1.858	1.777	1.696	2.134	1.3
	•720	1.254	1.860	1.807	1.704	1.980	10344	.740	1.282	1.873	1.780	1.702	2.249	1.3
	•740	1.258	1.876	1.84/	1.714	1.936	1.428	-760	1.274	1.880	1.814	1.732	1.798	1.3
	.780	1.265	1.823	1.831	1.711	1.629	1.433	• 780	1.278	1.818	1.800	1.733	1.295	103
	.800	1.233	1./56	1.766	1.680	10285	10401	.800	1.246	10753	1.730	1.386	1.178	103
	.850	1.195	10454	1.469	1.488	10224	1.264	. 850 . 950	1.297	1.207	1.142	1.136	1.141	101
	•950	1.123	1.204	1.158	1.190	1.142	1.077	1.000	1.118	0 675	.960	1.100	1.117	101
	1.000	1.120	.004	8730	10121	10110								
	.010	.432	0523	e611	•638	. 646	•770	0010	• 284	• 427 • 538	• 487 • 624	.540 .651	•578	. 6
	.030	•571	•650	•754 •825	•760 •826	.856	• 922 • 952	.030	• 439	623	698	0719	0776	. 8
	.050 .075	.650 ./16	•729	•902	.881	828	1.000	0075	.610	0/01	.781	•780	.801	
	•100	.766	.861	.924	0940	0745	1.024	. 100	0673	. 765	.818	.838	955	10
	.150	1180	. 968	1.023	• 988	.944	10037	0.20	.787	. 866 . 946	• 907	• 903 • 956	•922 •978	10
	.200	.887	1.053	1.009	1.034	1.018	1.058	• 200 • 250	.812 .863	1.000	991	4999	1.003	1.0
	•250	1.045	1.077	1.068	1.062	1.041	1.060	0300	977	1.060	1.042	1.022	1.030	10
	•300 •350	1.113	1.128	1.114	1.099	1.083	1.061	.350	1.045	1.109	1.047	1.048	1.057	10
Lower	•400	1.164	1.245	1.196	1.105	1.089	1.058	.400	1.100	1.189	1.144	1.065	1.070	10
OW	.450	1.227	1.210	1.138	1.120	1.089	1.045	• 450	1.167	1.165	1.094	1.076	1.073	16
4	.500	1.237	1.260	1.150	1.093	1.072	1.016	•500	1.183	10 274	1.139	1.090	1.083	1.0
	•520	1.237	1.296	1.159	1.097	1.068	1.019	• 540	1.214	1.347	1.210	1.181	1.194	1.0
	•540	1.266	1.356	1.313	1.309	1.263	1.145	.710	1.226	0911	1.176	1.154	1.144	10
	.740	1.223	1.024	1.196	1.142	1.119	1.111	.740	1.183	1.005	1.075	1.023	1.038	10
	.760	1.203	1.067	1.125	1.057	1.088	1.094	•760	1.170	1.044	. 983	965 956	1.022	10
	.780	1.217	1.080	1.061	1.018	1.061	1.086	. 800	1.149	1.039	.980	958	1.015	10
	e800	1.182	1.059	1.031	.991	1.034	1.058	.850	1.129	1.097	1.000	• 978	1.027	10
	.850 .900	1.156	1.115	1.044	1.016	1.045	1.048	. 900	1.127	1.100	1.028	1.010	1.045	10
	.950	1.131	1.111	1.065	1.045	1.065	1.056	• 950	1.115	1.100	1.048	1.034	1.072	1.
		1 100	074	•910				.560	1.215	. 968 1.020	1.006			
	•560 •580	1.182	.876 .946	0948	.948	.912	.855	e 580	1.215		1.032	1.104	1.123	
pper	.600	1.183	.984	•984	.970	.956	•896	•600	1.212	1.043	1.048	1.104	1.130	
Jbr.	•620	1.195	1.034	1.014	.981	6999	• 927	.620 .640	1.222	1.097	1.074	1.106	1.149	
D	0640	1.187	1.063	1.038	1.011	1.061	• 948 • 962	a 660	1.258	1.125	1.080		1.172	
	.660 .680	1.238	1.090	1.093	1.071	1.149	.964	.680	1.254	1.134	1.110	1.127	1.195	
3	•690	1.245	1.094	1.088	1.060	1.192	•963	.690	1.267	1.118	1.093	1.119	1.217	•
			1 540	1.420			100	- 560		1.554	1.415			
Porre	•560 •580		1.542	1.419	1.384	1.405	1.212	• 560 • 580		1.554	1.414	1.404	1.467	10
er	•600		1.536	1.417	1.391	1.403	1.218	• 600		1.551	1.409	1.407	1.475	10
ome.	.620		1.581	1.417	1.408	1.394	1.229	• 620 • 640		1.559	1.385	1.412	1.399	10
H	•640		1.546	1.384	1.261	1.288	1.141	•660		1.359	1.290	1.293	1.266	10
	•660 •680		1.044	1.048	1.006	1.126	.962	.680		1.059	1.041	1.035	1.106	
	•690		1.067	1.072	1.013	1.169	•927	• 690		1.083	1.064	1.055	1.196	
	510		1.631	1.402	1.503	1,450	1.444	.560		1.654	1.409	1.553	1.544	10
	•560 •580		1.532	1.287	1.315	1.371	1.200	•580		1.654	1.282			10
er	•600		1.479	1.358	1.405	1.379	1.204	•600		1.486	1.352	1.424	1.426	10
dd.	•620		1.285	1.310	1.299	1.304	1.056	• 620 • 640		1.292	1.117	1.181	1.215	10
Upper Upper	•640		1.236	1.119	1.176	1.200 .938	1.056	a 660		. 904	o 846	.883	0952	
	•660 •680		.881	.783	.783	.804	695	.680		e 884	.786	• 797	.837	
	.688		.880	•788	•778	0794	.677	ø 688		. 885	.787	• 795	a 830	•
			2 000	1,510	1.474	1.400	1.260	. 560	1,324	2,012	1.472	1.460	1.502	1
wer	.560 .580	1.380	2.093	1.510	1.486	1.488	1.265	•580	1.324	2.012	1.472			
is is	•600	1.298	1.793	1.543	1.506	1.525	1.276		1.251	1.594	1.508	1.504	1.521	14
ower	•620	1.298	1.291	1.562	1.513	1.491	1.265	620 640	1.250	1.112	1.465	1:445	1.383	1
0	•640	1.284	1.071	1.546	1.513	1.455	1.240	660	1.257	1.049	1.407	1.345	1.298	10
ᆔ	660	1.301	1.071	1.447	1.422	10344	1.190	.680			1.320	1.284	1.231	10
I	a680	1.354	1.058						1.105	0951	1 . 315	1.231	1.192	10

TABLE <sup>14</sup>.- PRESSURE COEFFICIENTS - Continued  $\left[\delta_S = -^{0.040}c;\; \delta_d = -^{0.03000}c\right]$ 

 $\begin{bmatrix} \delta_{\rm S} = -^{0.040} \text{C}; \ \delta_{\rm d} = -^{0.03000} \text{C} \end{bmatrix}$   $\alpha = 8^{\circ}$ 

.apddn	000 0010 0050 0050 150 150 2200 2200 220	0.15  1.733 4.362 2.0216 2.031 1.783 1.699 1.589 1.388 1.334 1.292 1.292 1.292 1.272	0.30  • 952 2.555 2.555 2.556 2.557 2.560 2.571 2.468 2.061 1.635 1.350 1.224 1.187 1.111 • 995 • 889 1.821 1.8813 1.809 1.826 1.783 1.871 1.464 1.198 • 683	0.50  .622 1.867 1.863 1.861 1.854 1.854 1.877 1.776 1.688 1.610 1.529 1.449 1.360 1.788 1.682 1.330 1.788 1.682 1.711 1.6388 1.682 1.712 1.6366 1.730 1.749 1.6366 1.730 1.749 1.6366 1.730 1.749 1.752 1.777 1.8586 1.730 1.749 1.852 1.777 1.8586 1.730 1.749 1.852 1.777 1.8586 1.730 1.752 1.8771 1.8586 1.730 1.752 1.866 1.730 1.852 1.85	0.70  978 1.614 1.609 1.610 1.587 1.570 1.558 1.532 1.479 1.480 1.480 1.480 1.480 1.480 1.480 1.480 1.490 1.480 1.490 1.	0.85  0.85	0.97  1.181 1.880 1.773 1.663 1.500 1.299 1.511 1.283 1.2267 1.226 1.245 1.216 1.285 1.107 1.068 1.020 1.243 1.345 1.353 1.355	x/c  000 010 030 050 075 100 250 350 450 520 538 710 720 740 780 850 0950 1000 010 010 010 010 010 010 010 010	0.15  1.890 4.284 4.382 3.988 2.139 1.877 1.573 1.576 1.944 1.981 1.399 1.299 1.299 1.206	0.30  1.192 2.547 2.547 2.549 2.505 2.495 2.525 2.495 2.521 2.479 2.513 2.479 1.475 1.332 1.172 1.130 1.093 1.093 1.094 1.043 1.725 1.393 1.046 1.343 1.725 1.393 1.046 1.343 1.725 1.393 1.046 1.343 1.725 1.393 1.091 1.725 1.393 1.091 1.093	0.50  .798 1.934 1.922 1.923 1.923 1.902 1.880 1.886 1	Cp at  0.70  1.196 1.659 1.651 1.653	0.85  0.85  0.85  0.85  0.85  0.945  1.504  1.507  1.533  1.533  1.533  1.534  1.507  1.500  1.496  1.494  1.494  1.494  1.494  1.495  1.505  1.653  1.534  1.535  1.653  1.534  1.535  1.653  1.535  1.653  1.535  1.653  1.535  1.653  1.535  1.653  1.535  1.653  1.535  1.653  1.535  1.653  1.555  1.653  1.655	0,97  1.060 1.529 1.484 1.4452 1.219 1.236 1.236 1.236 1.240 1.271 1.279 1.276 1.274 1.271 1.279 1.276 1.274 1.271 1.279 1.276 1.274 1.277 1.279 1.276 1.271 1.279 1.276 1.271 1.279 1.271 1.279 1.271 1.279 1.271 1.279 1.271
	0.10 0.30 0.30 0.30 0.30 0.30 0.30 0.30	1. 733 4.362 2.0216 2.031 1.6783 1.6582 1.454 1.388 1.334 1.272 1.	952 2-555 2-555 2-556 2-556 2-556 2-566 1-256 1-257 1-256 1-257 1-	6622 1.867 1.863 1.883 1.883 1.883 1.883 1.877 1.776 1.688 1.610 1.529 1.449 1.320 1.749 1.749 1.751 1.888 1.682 1.749 1.751 1.888 1.882 1.771 1.888 1.882 1.771 1.888 1.882 1.771 1.888 1.882 1.771 1.888 1.882 1.771 1.888 1.882 1.771 1.888 1.882 1.882 1.882 1.892 1.992 1.992 1.992 1.992 1.992 1.992 1.992 1.992 1.992 1.992 1.992 1.992 1.992 1.992 1.992 1.992 1.992 1.993 1	0 978 1 6614 1 609 1 610 1 604 1 594 1 554 1 552 1 6479 1 6405 1 6405 1 6552 1 6405 1 6556 1 6569 1	.696 1.493 1.503 1.509 1.811 1.506 1.498 1.495 1.495 1.492 1.374 1.353 1.376 1.309 1.303 1.947 1.028 2.149 1.674 1.344 1.279 1.173 1.154 1.299 1.773 1.154 1.596 885 1.910 1.910 1.050 1.050 1.050	1.181 1.880 1.773 1.683 1.500 1.379 1.311 1.283 1.256 1.216 1.226 1.226 1.226 1.226 1.226 1.236 1.200 1.245 1.200 1.245 1.200 1.245 1.200 1.245 1.200 1.245 1.256 1.200 1.245 1.200 1.200 1.245 1.200	010 030 075 100 150 200 250 350 400 520 520 740 740 780 850 950 1000 010 030 050 050 050 050 050 050 050 050 05	1.890 4.284 4.382 3.488 2.189 1.677 1.536 1.536 1.536 1.432 1.381 1.329 1.229 1.290 1.290 1.290 1.200 1.268 1.216 1.20 1.120 1	10 192 20 547 20 547 20 505 20 495 20 220 20 623 20 423 10 475 10 475 10 130 10 10 130 10 130	0.798 1.930 1.926 1.923 1.933 1.913 1.902 1.880 1.883 1.886 1.883 1.683	1.196 1.659 1.651 1.655 1.653 1.652 1.650 1.552 1.552 1.552 1.540 1.400	. 845 1.504 1.504 1.504 1.507 1.513 1.513 1.515 1.510 1.500 1.496 1.409 1.409 1.409 1.407 1.458 1.535	1.060 1.529 1.484 1.452 1.409 1.339 1.336 1.336 1.336 1.340 1.340 1.271 1.271 1.271 1.271 1.271 1.271 1.271 1.271 1.271 1.272 1.273 1.274 1.272 1.273 1.274 1.272 1.273 1.274 1.272 1.273 1.274 1.272 1.273 1.274 1.272 1.273 1.274 1.272 1.273 1.274 1.272 1.273 1.274 1.274 1.274 1.274 1.274 1.274 1.274 1.274 1.274 1.274 1.275 1.274
	0.10 0.30 0.30 0.30 0.30 0.30 0.30 0.30		2.555 2.550 2.557 2.560 2.571 2.660 2.571 2.668 2.061 1.635 1.350 1.224 1.157 1.111 .995 .889 1.821 1.813 1.809 1.813 1.809 1.813 1.809 1.813 1.809 1.813 1.813 1.809 1.813 1.809 1.813 1.813 1.809 1.	1.867 1.863 1.861 1.854 1.877 1.736 1.688 1.610 1.529 1.449 1.340 1.771 1.888 1.882 1.771 1.788 1.882 1.284 1.331 1.000 1.2749 1.058 1.0686 1.	1.614 1.609 1.610 1.594 1.597 1.570 1.554 1.512 1.679 1.448 1.380 1.405 1.404 1.555 1.561 1.555 1.569 1.555 1.569 1.555 1.569 1.570 641 1.709 6772 641 1.709 6772 1.061 1.709	1.493 1.503 1.509 1.511 1.506 1.488 1.429 1.422 1.334 1.332 1.336 1.332 2.128 2.129 1.303 1.947 2.028 2.149 1.473 1.270 1.279 1.473 1.273	1.880 1.773 1.683 1.500 1.399 1.311 1.283 1.267 1.226 1.226 1.226 1.226 1.236 1.207 1.068 1.020 1.283 1.353 1.353 1.353 1.353 1.353 1.356 1.273 1.273 1.290 1.153	010 030 075 100 150 200 250 350 400 520 520 740 740 780 850 950 1000 010 030 050 050 050 050 050 050 050 050 05	4.284 4.382 2.189 1.877 1.694 1.573 1.536 1.642 1.281 1.290 1.200	2.547 2.519 2.505 2.505 2.520 2.613 2.222 1.945 1.627 1.475 1.332 1.093	1.936 1.923 1.931 1.992 1.880 1.8862 1.8862 1.8862 1.8863 1.786 1.833 1.786 1.834 1.999 1.635 1.637 1.834 1.999 1.858 1.6463 1.274 1.000 1	1.659 1.651 1.654 1.645 1.657 1.653 1.652 1.651 1.652 1.651 1.558 1.552 1.552 1.652 1.644 1.442 1.442 1.442 1.442 1.442 1.442 1.442 1.442 1.442 1.443 1.428	1.504 1.507 1.513 1.513 1.513 1.515 1.510 1.507 1.500 1.495 1.495 1.494 1.470 1.485 1.514 1.514 1.514 1.514 1.514 1.514 1.514 1.514 1.514 1.514 1.514 1.514 1.514 1.514 1.514 1.514 1.514 1.517 1.514	1 0 52 7 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0
	030 050 050 100 100 200 200 300 4400 450 6520 7740 7780 8800 950 000 7780 800 950 000 100 100 100 100 100 100 100 100 1	2 · 216 2 · 031 1 · 6783 1 · 6783 1 · 6783 1 · 6783 1 · 454 1 · 388 1 · 334 1 · 272 1 · 242 1 · 242 1 · 243 1 · 273 1 · 273 1 · 230 1 · 140 1 · 273 1 · 230 1 · 140 1 · 230 1 · 140 1 · 230 1 · 140 1 · 230 1 · 140 1 · 230 1	2.550 2.546 2.546 2.660 2.571 2.448 2.061 1.655 1.350 1.224 1.111 .998 .821 1.806 1.806 1.806 1.773 1.806 1.777 1.446 1.398 .683	1.863 1.851 1.854 1.854 1.814 1.874 1.8736 1.688 1.610 1.777 1.588 1.610 1.749 1.749 1.756 1.330 1.749 1.758 1.652 1.771 1.688 1.652 1.771 1.688 1.682 1.771 1.688 1.682 1.771 1.688 1.682 1.284 1.131 1.002	1.609 1.610 1.604 1.594 1.557 1.570 1.554 1.532 1.679 1.404 1.380 1.605 1.605 1.555 1.556 1.555 1.556 1.557 1.556 1.570 641 6709 6772 8433 6902 945 691 1.0031 1.6061 1.6071	1.503 1.509 1.811 1.506 1.488 1.455 1.429 1.353 1.374 1.353 1.336 1.309 1.303 1.947 2.149 1.674 1.279 1.239 1.239 1.236 8.65 9.731 9.86 9.86 9.86 9.99 1.903	1-773 1-683 1-500 1-399 1-311 1-283 1-256 1-225	030 075 100 290 250 350 400 520 520 520 710 720 740 780 850 950 1000 010 010 010 010 010 010 010 020 02	4.382 3.488 1.877 1.697 1.573 1.516 1.516 1.542 1.381 1.381 1.399 1.299 1.299 1.299 1.209 1.302 1.302 1.302 1.302 1.303 1.304 1.312 1.309 1.209	2.519 2.505 2.929 2.613 2.647 2.627 2.613 2.679 2.6130 1.677 1.675 1.332 1.846 1.843 1.725 1.393 1.846 1.725 1.393 1.846 1.725 1.393 1.846 1.725 1.393 1.846 1.725 1.393 1.846 1.725 1.393 1.846 1.725 1.393 1.846 1.725 1.393 1.846 1.725 1.393 1.846 1.725 1.393 1.846 1.725 1.393 1.846 1.725 1.393 1.846 1.725 1.393 1.846 1.725 1.393 1.846 1.725 1.991 1.000	1 - 926 1 - 923 1 - 913 1 - 902 1 - 880 1 - 888 1 - 886 1 - 835 1 - 786 1 - 727 1 - 683 1 - 635 1 - 645 1 - 260 1 - 174 1 - 041 1 - 640 1 - 64	1.651 1.655 1.669 1.663 1.620 1.620 1.620 1.532 1.532 1.532 1.532 1.540 1.532 1.540 1.532 1.532 1.540 1.532	1.504 1.507 1.533 1.533 1.535 1.530 1.5507 1.500 1.499 1.484 1.476 1.476 1.535 1.565 1.565 1.535	10484 10452 10409 10379 10356 10360 10366 10366 10366 10345 10340 102711 10271
Ones and the second of the sec	0.75	1 • 783 1 • 699 1 • 495 1 • 495 1 • 495 1 • 388 1 • 334 1 • 272 1 • 242 1 • 272 1 •	2-540 2-571 2-648 2-061 1-625 1-350 1-224 1-350 1-224 1-350 1-321 1-395 1-821 1-813 1-806 1-743 1-877 1-464 1-298 -683 1-777 1-1464 1-298 1-850 1-298 1-851 1-955 1-851 1-955	1.85% 1.6810 1.777 1.736 1.688 1.610 1.529 1.449 1.352 1.350 1.749 1.352 1.771 1.6318 1.682 1.788 1.682 1.788 1.682 1.284 1.131 1.002	1.604 1.587 1.570 1.554 1.5536 1.512 1.6448 1.580 1.405 1.405 1.565 1.550 1.555 1.5569 1.555 1.5569 1.555 1.5569 1.555 1.5569 1.555 1.5569 1.555 1.5569 1.555 1.5569 1.555 1.5569 1.555 1.5569 1.555 1.5569 1.555 1.5569 1.555 1.5569 1.555 1.5569 1.555 1.5569 1.555 1.5569 1.5669	1 - 5 1 1 1 1 5 0 6 6 1 4 8 8 1 1 4 5 5 6 1 4 2 7 1 1 4 9 1 1 2 5 1 1 2 5 1 4 1 2 7 0 1 1 2 7 1 1 1 2 1 1 2 1 1 2 1 1 1 1 1 1	1.500 1.3791 1.283 1.266 1.245 1.216 1.216 1.216 1.216 1.216 1.216 1.255 1.255 1.255 1.355 1.355 1.355 1.355 1.355 1.355 1.356 1.378	075 100 150 200 250 390 400 450 520 538 710 720 740 780 890 050 070 070 070 070 070 070 070 070 07	2:189 1:877 1:694 1:573 1:516 1:516 1:516 1:516 1:519 1:299 1:299 1:200 1:268 1:210 1:200 1:268 1:210 1:200 1:268 1:210 1:200 1:268 1:210 1:200 1:268 1:210 1:200 1:268 1:210 1:200 1:268 1:210 1:200 1:268 1:210 1:200 1:268 1:210 1:200 1:268 1:210 1:200 1:268 1:210 1:200 1:268 1:210 1:200 1:268 1:210 1:200 1:268 1:210 1:200	2. 495 2. 520 2. 6a3 2. 479 2. 232 1. 945 1. 475 1. 475 1. 130 1. 946 1. 943 1. 946 1. 943 1. 725 1. 325 2. 606 2. 710 2. 720 2. 990 1. 007 1.	1 - 913 1 - 902 1 - 880 1 - 882 1 - 885 1 - 88	1.659 1.647 1.657 1.657 1.657 1.657 1.657 1.657 1.657 1.657 1.658 1.558 1.558 1.558 1.558 1.558 1.558 1.558 1.558 1.558 1.522 1.558 1.522 1.540 1.404 1.405 1.405 1.404 1.405 1.405 1.405 1.406 1.408 1.208	1-507 1-513 1-513 1-515 1-510 1-510 1-507 1-500 1-486 1-486 1-674 1-674 1-674 1-674 1-688 1-535 1-545 1-545 1-613 1-527 1-278 1-274 1-274 1-274 1-277	1 + 452 1 - 409 1 - 379 1 - 339 1 - 335 1 - 340 1 - 346 1 - 276 1 - 276 1 - 277 1 - 278 1 - 274 1 - 274 1 - 275 1 - 274 1 - 275 1 - 276 1 -
10000 O O O O O O O O O O O O O O O O O	100 2200 2200 2500 3500 3500 4500 5580 7720 7740 7760 7760 7760 7760 7760 7760 776	1 6699 1 5 582 1 495 1 495 1 495 1 495 1 495 1 495 1 495 1 495 1 292 1 272 1 2	2-571 2-688 2-061 1-635 1-350 1-224 1-157 1-111 -995 -889 1-821 1-813 1-809 1-821 1-813 1-717 1-464 1-783 1-717 1-645 1-781 -683	1.6842 1.6810 1.6777 1.6786 1.6858 1.6610 1.529 1.449 1.2360 1.2300 1.771 1.6818 1.682 1.2381 1.002 1.6862 1.2381 1.002 1.6862 1.2381 1.002 1.6862 1.2381 1.002 1.6862 1.2381 1.002 1.6862 1.2381 1.002 1.6862 1.2381 1.002 1.6862 1.002 1.002 1.002 1.002 1.002 1.002 1.002 1.003 1	1.594 1.557 1.570 1.554 1.554 1.554 1.555 1.440 1.557 1.561 1.555 1.559 1.559 1.559 1.559 1.559 1.570 1.540 1.570 1.540 1.570 1.540 1.570 1.559	1.506 1.485 1.455 1.420 1.374 1.353 1.332 1.336 1.330 1.330 1.947 2.028 2.149 1.674 1.299 1.674 1.299 1.154 0.514 0.594 0.731 0.948 0.948	1.399 1.283 1.226 1.226 1.226 1.216 1.198 1.020 1.245 1.256 1.256 1.268 1.020 1.253 1.356 1.356 1.356 1.356 1.356 1.273 1.356 1.273 1.400 1.153	000 0150 0200 0250 0300 0350 0400 0520 0538 0710 0720 0740 0760 0780 0800 0800 050 0010 010 010 010 010 020 075 1100 020 0250 0250 0250 0250 0450	1.877 1.6594 1.573 1.5364 1.441 1.3861 1.299 1.206 1.299 1.209 1.209 1.200 1.200 1.200 1.268 1.216 1.216 1.216 1.216 1.200 1.268 1.216 1.200 1.268 1.276 1.276 1.284 1.286 1.2	2-520 2-643 2-479 2-232 1-945 1-677 1-332 1-130 1-093 1-846 1-848 1-848 1-725 1-125 1-125 1-125 1-149 1-49 1-49 1-49 1-49 1-49 1-49 1-4	1.902 1.880 1.882 1.854 1.852 1.856 1.786 1.729 1.643 1.637 1.839 1.834 1.999 1.834 1.999 1.951 1.280 1.174 1.041	1.645 1.637 1.630 1.620 1.650 1.592 1.552 1.552 1.440 1.441 1.442 1.442 1.440 1.442 1.440 1.442 1.288 1.288 1.288	1 - 5 - 1 - 5	10379 10356 10356 10356 10360 10355 10340 10282 10271 10279 10278
.addOn	150 250 250 300 400 450 450 652 770 800 850 000 000 000 000 000 000 000 00	1 - 582 1 - 4954 1 - 358 1 - 358 1 - 334 1 - 272 1 - 272 1 - 229 1 - 290 1 - 277 1 - 301 1 - 270 1 - 301 1 - 100 1	2-468 2-061 1-635 1-350 1-224 1-157 1-111 1-111 1-157 1-111 1-157 1-111 1-157 1-157 1-158	1.6810 1.777 1.736 1.6688 1.610 1.529 1.449 1.336 1.230 1.749 1.752 1.771 1.8188 1.652 1.772 1.284 1.131 1.002 2.406 2.730 2.254 2.601 2.524 2.601 2.524 2.601 2.524 2.601 2.524 2.601 2.524 2.601 2.524 2.601 2.524 2.601 2.524 2.601 2.524 2.601 2.524 2.601 2.524 2.601 2.524 2.601 2.524 2.601 2.524 2.601 2.524 2.601 2.525 2.527 2.7099 2.6058 2.6008 2.60	1.587 1.570 1.554 1.532 1.6479 1.448 1.380 1.405 1.604 1.555 1.556 1.556 1.556 1.556 1.556 1.601 1.274 1.270	1.488 1.455 1.429 1.621 1.353 1.352 1.316 1.303 1.947 2.028 2.149 1.529 1.574 1.279 1.173 1.155 0.514 0.699 0.731 0.948 0.845 0.948 0.845 0.948 0.845 0.948 0.845 0.948 0.845 0.948 0.845 0.948 0.845 0.948	1-931 1-283 1-267 1-226 1-226 1-226 1-226 1-226 1-226 1-207 1-088 1-020 1-343 1-353 1-353 1-353 1-353 1-353 1-353 1-373 1-273 1-373 1-386 1-273 1-386 1-273 1-386 1-273 1-386 1-273 1-386 1-273 1-386 1-273 1-386 1-273 1-386 1-273 1-386 1-273 1-386 1-273 1-386 1-273 1-386 1-386 1-386 1-386 1-273 1-386	** 150 0 200 250 350 400 450 7720 780 850 950 1000 150 250 250 250 250 250 250 250 250 250 2	1.694 1.573 1.576 1.642 1.644 1.516 1.944 1.319 1.290 1.206 1.220 1.302 1.300 1.268 1.220 1.300 1.268 1.220 1.300 1.268 1.210 1.16 1.20 1.16 1.20 1.16 1.20 1.16 1.20 1.16 1.20 1.16 1.20 1.16 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20	2 - 4.79 2 - 4.79 2 - 2.22 1 - 9.45 1 - 6.77 1 - 4.75 1 - 1.72 1 - 1.72 1 - 1.093 1 - 9.46 1 - 9.43 1 - 7.25 1 - 2.93 1 - 2.45 1	1.880 1.862 1.862 1.862 1.863 1.729 1.663 1.627 1.839 1.637 1.839 1.858 1.645 1.999 1.858 1.645 1.999 1.858 1.645 1.999 1.858 1.645 1.999 1.858 1.645 1.999 1.858 1.645 1.999 1.858 1.645 1.999 1.858 1.645 1.999 1.858 1.645 1.999 1.858 1.645 1.999 1.858 1.645 1.999 1.858 1.645 1.999 1.858 1.645 1.999 1.858 1.645 1.999 1.858	1.637 1.6330 1.620 1.6508 1.552 1.552 1.552 1.552 1.552 1.544 1.445 1.445 1.445 1.445 1.445 1.445 1.445 1.445 1.452 1.440 1.455 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.440 1.452 1.522 1.522 1.440 1.522 1.52	1 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	10359 10356 10358 10360 10365 10340 10304 10282 10271 10277 10277 10277 10277 10277 10277 10277 10277 10277 10277 10271
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odd()	400 450 550 550 5710 7740 7740 7740 7740 7740 7740 7740 7	1 • 334 1 • 272 1 • 272 1 • 272 1 • 272 1 • 273 1 • 290 1 • 307 1 • 301 1 • 272 1 • 307 • 430 • 185 • 327 • 430 • 802 • 802 • 802 • 802 • 918 1 • 000 1 • 140 1 •	1-157 1-111	1.629 1.649 1.342 1.330 1.749 1.752 1.771 1.688 1.682 1.284 1.131 1.002 .406 .524 .601 .686 .730 .825 .977 .999 1.090 1.058 1.102 1.058	1.479 1.448 1.380 1.405 1.405 1.565 1.556 1.556 1.556 1.556 1.570 1.4174 1.240 1.70 1.4174 1.240 1.401	1 - 353 1 - 352 2 1 - 316 1 - 309 1 - 303 1 - 947 2 - 2028 2 - 149 1 - 270 1 - 279 1 - 173 1 - 155 - 931 - 948 - 845 - 931 - 948 1 - 203 1 - 030 1 - 036 1 - 075	1.216 1.198 1.107 1.068 1.020 1.2343 1.355 1.355 1.355 1.356 1.273 1.190 1.153  .591 .753 .836 .916 .916 1.016 1.016 1.016 1.016 1.016 1.016 1.016	. 400 . 450 . 500 . 520 . 538 . 710 . 720 . 740 . 780 . 850 . 950 1.000 . 010 . 030 . 050 . 075 . 100 . 250 . 250 . 350 . 400	1.381 1.319 1.279 1.209 1.209 1.300 1.290 1.302 1.300 1.228 1.200 1.228 1.216 1.220 1.106 1.234 336 428 501 613 6577 741 836 922 980	1 • 475 1 • 332 1 • 172 1 • 170 1 • 190 1 • 846 1 • 843 1 • 791 1 • 149 • 697 • 334 • 463 • 542 • 663 • 710 • 710	1.726 1.729 1.643 1.635 1.637 1.839 1.834 1.909 1.951 1.858 1.645 1.220 1.174 1.041 1.360 1.799 1.804 1.395 1.640 1.799 1.804 1.872 1.952 1.952 1.952 1.952	1.582 1.558 1.532 1.532 1.532 1.440 1.442 1.442 1.442 1.440 1.428 1.288	1-489 1-488 1-574 1-470 1-458 1-555 1-555 1-563 1-584 1-397 1-278 1-278 1-244 1-496 1-278 1-244 1-497 1-278	1.345 1.304 1.282 1.271 1.271 1.277 1.277 1.277 1.277 1.277 1.277 1.277 1.277 1.277 1.271 1.271 1.271 1.271 1.271 1.271 1.271 1.272 1.258 1.258 1.274 1.277 1.271
	450 550 5520 5528 7720 7740 7780 850 0030 0030 0075 100 00 00 00 00 00 00 00 00 00 00 00 00	1 • 292 1 • 272 1 • 274 1 • 274 1 • 279 1 • 296 1 • 307 1 • 307 1 • 307 1 • 310 1 • 125 • 327 • 430 • 514 • 586 • 698 • 746 • 698 • 746 • 918 1 • 009 1 • 121 1 • 146 1 • 146 1 • 147 1 • 146 1 • 146	1.111 .995 .928 .889 1.821 1.806 1.763 1.717 1.464 1.198 .683 .361 .535 .615 .677 .781 .683 .921 .991 1.047 1.120 1.120 1.120	1.449 1.342 1.330 1.749 1.775 1.771 1.6818 1.682 1.284 1.313 1.002 406 -524 -601 -686 -730 625 -661 -922 -977 -999 1.058 1.102 1.102	1.4480 1.405 1.405 1.405 1.556 1.556 1.556 1.555 1.555 1.555 1.557 1.6140 1.614	1.322 1.336 1.309 1.303 1.947 2.149 1.674 1.279 1.279 1.173 1.154 .514 .699 .731 .948 .845 .952 1.003 1.030 1.050	1.198 1.107 1.068 1.020 1.243 1.2365 1.251 1.338 1.236 1.273 1.236 1.273 1.296 1.273 1.296 1.273 1.296 1.273 1.296 1.273 1.296 1.273 1.296 1.273 1.296 1.273 1.296	. 450 . 500 . 500 . 538 . 710 . 720 . 740 . 760 . 850 . 950 1. 000 . 050 . 075 . 100 . 290 . 250 . 250	1.344 1.319 1.279 1.306 1.290 1.302 1.309 1.308 1.216 1.120	1 · 332 1 · 172 1 · 130 1 · 093 1 · 848 1 · 848 1 · 293 1 · 149 · 697 334 385 · 463 · 542 · 606 · 710 · 991 1 · 090 · 991 1 · 090 · 991 1 · 090 · 991 1 · 090 · 000 · 00	1.729 1.643 1.635 1.637 1.834 1.834 1.951 1.858 1.645 1.280 1.174 1.041 2.60 2.50 2.611 2.60 2.759 2.804 2.732 2.932 2.962	1.550 1.552 1.552 1.540 1.440 1.405 1.405 1.405 1.405 1.288	1-484 1-470 1-470 1-488 1-535 1-545 1-533 1-534 1-393 1-278 1-278 1-278 1-279 1-270 1-271	10340 10282 10271 10271 10279 10276 102788 102788 102788 10278 102
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55.077.077.079.00.000.000.000.000.000.000.	538 710 740 760 880 850 950 010 039 005 150 250 039 005 015 005 005 005 005 005 005 005 005	1.258 1.290 1.296 1.297 1.301 1.272 1.230 1.126	.889 1.821 1.813 1.809 1.809 1.806 1.763 1.717 1.464 1.198 .683 .361 .450 .555 .615 .677 .781 .084 .104 1.130 1.141 1.187 1.243 1.332	1-330 1-749 1-752 1-771 1-828 1-788 1-284 1-284 1-284 1-284 1-284 1-292 -406 -730 -825 -861 -922 -977 -999 1-090 1-058 1-102	1.404 1.557 1.561 1.556 1.569 1.554 1.6401 1.174	1.303 1.947 2.028 2.149 1.674 1.270 1.239 1.173 1.154 .514 .699 .731 .948 .948 2.003 1.030 1.030 1.030	1 · 020 1 · 243 1 · 345 1 · 353 1 · 251 1 · 338 1 · 326 1 · 273 1 · 190 1 · 153 8 · 356 9 · 911 9 · 948 1 · 018 1 · 027 1 · 036 1 · 042 1 · 049 1 · 049	598 710 720 740 800 850 950 1000 010 030 050 075 100 200 250 350 400	1.206 1.290 1.302 1.309 1.299 1.200 1.268 1.216 1.216 1.20 1.108 1.16 2.34 4.28 9.901 6.613 6.677 7.41 8.836 9.922 9.80	1.093 1.848 1.848 1.943 1.725 1.149 .637 .335 .463 .545 .606 .710 .991 1.090 .991 1.000 .991	1.687 1.889 1.824 1.909 1.959 1.6858 1.645 1.260 1.274 1.041	1.542 1.640 1.644 1.435 1.442 1.440 1.426 1.288 1.288 1.288 7.09 .796 .799 .790 .790 .816 .903 .945 .987 1.003	1-488 1-535 1-545 1-545 1-541 1-541 1-541 1-357 1-278 1-244 -458 -647 -944 -815 -970 1-907 1-907 1-907	1.0271 1.0273 1.0279 1.0278 1.0274 1.0272 1.0258 1.0214 1.0177 0.717 0.7
	710 720 760 780 800 950 000 010 030 050 050 150 250 350 450 450 520 710	1 • 290 1 • 290 1 • 290 1 • 307 1 • 307 1 • 307 1 • 307 1 • 272 1 • 230 • 140 • 185 • 327 • 514 • 586 • 698 • 746 • 698 • 746 • 180 • 191 • 100 • 100 • 110 • 110 • 120 • 120	1.821 1.813 1.809 1.806 1.763 1.777 1.444 1.298 .683 .361 .450 .535 .617 .781 .861 .921 .991 1.047 1.130 1.148 1.187 1.243 1.243 1.243	1.749 1.752 1.771 1.6318 1.788 1.682 1.284 1.131 1.002  .006 .524 .601 .886 .730 .025 .730 .025 1.0999 1.0990 1.058 1.102 1.102	1.557 1.550 1.550 1.555 1.555 1.554 1.554 1.400 2.454 2.709 2.772 2.843 902 2.945 2.945 2.945 1.008 1.0031 1.0071	1.947 2.028 2.149 1.674 1.394 1.270 1.279 1.173 1.154 .514 .699 .731 .845 .931 2.003 1.030 1.030	1 - 243 1 - 345 1 - 355 1 - 355 1 - 355 1 - 336 1 - 273 1 - 190 1 - 153 8 - 336 9 - 918 1 - 948 9 - 986 1 - 1018 1 - 1027 1 - 1042 1 - 1042 1 - 1042 1 - 1049 1 - 1049	0710 0720 0740 0780 0800 0850 0950 1000 010 030 050 075 100 015 200 250 350 400	1.290 1.309 1.299 1.300 1.268 1.216 1.120 1.108 1.108 1.108 1.16 1.234 1.336 1.24 1.336 1.34 1.36 1.36 1.36 1.36 1.36 1.36 1.36 1.36	1.846 1.843 1.725 1.725 1.393 1.149 1.325 1.334 1.345 1.453 1.545	1.839 1.839 1.909 1.951 1.858 1.645 1.220 1.174 1.041 .360 .550 .611 .660 .759 .804 .872 .932 .932	1.440 1.495 1.492 1.440 1.442 1.288 1.228 .404 .505 .578 .648 .709 .790 .790 .790 .985 .987 1.017	1.595 1.565 1.6613 1.514 1.695 1.997 1.278 1.244 .458 .624 .667 .944 .815 .827 .927 .927 .927 .927	1.0271 1.0279 1.0278 1.0278 1.0278 1.0278 1.0278 1.0177 0.
	720 740 780 800 850 950 900 010 030 050 075 100 150 250 300 350 400 450 520 540 710	1.296 1.307 1.307 1.301 1.272 1.272 1.230 1.126 .185 .327 .430 .514 .586 .698 .746 .698 .746 .918 1.009 1.140 1.140 1.146 1.1178 1.178	1.813 1.809 1.806 1.763 1.771 1.466 1.198 6.683 361 .450 .535 .615 .677 .781 .061 .921 .991 1.047 1.130 1.111 1.187	1-752 1-771 1-818 1-888 1-882 1-284 1-131 1-002 -406 -524 -601 -686 -730 -825 -861 -922 -977 -999 1-090 1-058 1-102 1-102 1-103 1-10	1.5561 1.550 1.555 1.555 1.555 1.557 1.610	2.028 2.149 1.674 1.279 1.279 1.173 1.154 .514 .699 .731 .948 .865 .991 .903 1.030 1.030	1.345 1.353 1.353 1.338 1.336 1.273 1.190 1.153 836 991 1.948 1.902 1.002 1.004 1.004 1.004	. 720 . 740 . 750 . 780 . 850 . 950 1.000 . 030 . 050 . 075 . 100 . 250 . 250 . 350 . 250 . 350 . 350 . 450	1:302 1:309 1:299 1:300 1:268 1:216 1:120 1:108 *116 *234 *336 *428 *501 *613 *613 *613 *613 *613 *613 *613 *61	1 · 848 1 · 843 1 · 791 1 · 725 1 · 149	1.834 1.909 1.951 1.858 1.645 1.220 1.174 1.041 .360 .456 .530 .611 .660 .759 .804 .872 .932 .932	1.044 1.045 1.040 1.040 1.040 1.042 1.028 1.288 1.288 1.288 1.288 1.288 1.288 1.298	1.565 1.653 1.554 1.554 1.395 1.395 1.257 1.278 1.244 .667 .944 .815 .827 .927 .927 .927 .927 .927 .927	1.0279 1.0276 1.0278 1.0274 1.0272 1.0258 1.0214 1.0177 0.573 0.872 0.914 0.903 1.0033 1.0047 1.0057
	760 780 850 950 000 010 030 050 150 250 350 450 450 520 520 571	1.297 1.301 1.272 1.230 1.140 1.126 .185 .327 .430 .514 .586 .698 .746 .802 .918 1.000 1.049 1.121 1.140 1.140 1.146 1.178	1.806 1.763 1.717 1.464 1.298 .683 .361 .505 .615 .615 .627 .781 .861 .921 .991 1.047 1.130 1.111 1.187 1.243 1.332	1.6886 1.6882 1.2884 1.1391 1.0002 406 6524 601 6866 730 825 6861 922 9777 9999 1.090 1.058 1.100 1.100	1.565 1.556 1.554 1.554 1.617	1.674 1.270 1.239 1.154 .514 .699 .731 .948 .885 .952 1.003 1.030 1.050	1.0351 1.0338 1.0326 1.0273 1.0190 1.0153 0.591 0.753 0.836 0.911 0.948 1.027 1.036 1.042 1.049 1.049	. 760 . 780 . 800 . 850 . 950 1.000 . 030 . 050 . 075 . 100 . 250 . 250 . 350 . 400 . 450	1:299 1:300 1:268 1:216 1:120 1:108  :116 :234 :336 :428 :501 :617 :741 :836 :922 :980	1	1. 951 1. 858 1. 645 1. 260 1. 174 1. 041 . 360 . 456 . 530 . 611 . 660 . 759 . 804 . 872 . 932 . 932 . 962 1. 059	1.442 1.449 1.426 1.288 1.288 1.288 0.505 0.578 0.648 0.709 0.856 0.903 0.945 0.945	1.524 1.439 1.393 1.357 1.278 1.244 .458 .667 .944 .815 .887 .927 .927 .927 1.007 1.007	1.0278 1.0274 1.0272 1.0258 1.0214 1.0177 0.573 0.872 0.966 1.0003 1.0020 1.0033 1.0047 1.0057
7 - 8 - 8 - 8 - 9 - 9 - 9 - 9 - 9 - 9 - 9	780 800 850 950 000 010 030 050 075 100 250 350 450 550 550 571	1.301 1.272 1.230 1.140 1.126 .185 .327 .430 .514 .586 .698 .746 .802 .746 .802 .1000 1.049 1.140 1.140 1.140 1.140	1.763 1.717 1.644 1.198 .683 .361 .450 .535 .615 .677 .781 .864 .921 .921 .947 1.130 1.111 1.187 1.243 1.332	1.788 1.682 1.284 1.131 1.002 .406 .524 .601 .686 .730 .825 .661 .922 .977 .999 1.099 1.058	1.554 1.6401 1.174 1.140  .5454 .577 .641 .709 .772 .843 .902 .945 .975 1.008 1.008 1.001 1.071	1.344 1.270 1.239 1.173 1.154 .514 .699 .731 .948 .865 .931 .962 1.003 1.003 1.005 1.006 1.006	1.0398 1.0316 1.0273 1.0190 1.0153 .5591 .753 .836 .911 .948 1.018 1.027 1.036 1.042 1.049	.780 .800 .850 .950 1.000 .010 .050 .075 .100 .290 .250 .300 .350 .400	1.300 1.268 1.216 1.120 1.108 .234 .336 .428 .501 .613 .677 .741 .836 .922 .980	1. 725 1. 393 1. 149 . 697 . 334 . 385 . 463 . 542 . 606 . 710 . 799 . 852 . 930 . 991 1. 080 1.071	1:858 1:645 1:260 1:174 1:041 :360 :456 :530 :611 :660 :759 :804 :872 :932 :962 1:059	1.449 1.426 1.288 1.288 1.238 .404 .505 .578 .648 .709 .856 .903 .945 .987 1.017	1.494 1.393 1.357 1.278 1.244 .458 .667 .944 .815 .887 .927 .970 1.007 1.007	1.0274 1.0272 1.0258 1.0214 1.0177 0.803 0.872 0.914 0.966 1.003 1.002 1.003 1.005 1.005 1.005
88 88 100 00000 00000 00000 00000 00000 00000 0000	800 850 950 000 010 030 050 150 250 350 400 450 550 5540 710	1.272 1.230 1.140 1.126 .185 .327 .430 .514 .586 .698 .746 .802 .746 .802 .1000 1.049 1.140 1.140 1.146 1.178	1.717 1.464 1.198 .683 .361 .450 .535 .615 .677 .781 .861 .991 1.047 1.130 1.111 1.187	1.682 1.284 1.131 1.002 .406 .524 .601 .686 .730 .825 .861 .922 .977 .999 1.009 1.058 1.102	1.554 1.401 1.174 1.140 .454 .570 .641 .709 .772 .843 .902 .945 .975 1.008 1.031 1.061	1.270 1.239 1.173 1.154 .514 .699 .731 .948 .865 .931 .962 1.003 1.030 1.030 1.050 1.066 1.075	10336 10273 10190 10153 591 0753 836 9911 0948 10018 10027 10036 10049 10049	.800 .850 .950 1.000 .010 .030 .050 .075 .100 .250 .250 .350 .400	1.268 1.216 1.120 1.108 .116 .234 .336 .428 .501 .613 .677 .741 .836 .922 .980	1 · 393 1 · 149	1.645 1.260 1.174 1.041 .360 .456 .530 .641 .660 .759 .872 .932 .962 1.059	1.449 1.426 1.288 1.288 1.238 .404 .505 .578 .648 .709 .790 .856 .903 .945 .987 1.017	1.393 1.357 1.278 1.244 . 458 . 624 . 667 . 944 . 815 . 887 . 927 . 927 . 1.007 1.007 1.009	1.272 1.258 1.214 1.177 .573 .872 .914 .906 1.903 1.020 1.033 1.047 1.057
OUT NOT NOT NOT NOT NOT NOT NOT NOT NOT NO	850 950 000 010 030 050 075 150 200 250 350 400 450 500 540 710	1.230 1.140 1.125 .185 .327 .430 .514 .586 .698 .746 .802 .918 1.000 1.049 1.121 1.140 1.140 1.143	1.464 1.198 683 .361 .450 .535 .615 .677 .781 .861 .921 1.047 1.130 1.111 1.187 1.243	1.284 1.131 1.002 406 524 601 686 730 825 861 922 977 1.099 1.058 1.102 1.130	1.401 1.174 1.140 .454 .570 .641 .709 .772 .843 .902 .945 .975 1.008 1.031 1.0061	1.239 1.173 1.154 .514 .699 .731 .948 .865 .931 .962 1.003 1.030 1.050 1.056 1.075	1.273 1.190 1.153 .591 .753 .836 .911 .948 .986 1.018 1.027 1.036 1.042 1.049	. 850 . 950 1.000 . 010 . 030 . 050 . 075 . 100 . 150 . 200 . 250 . 300 . 450	1.216 1.120 1.108 .116 .234 .336 .428 .501 .613 .677 .741 .836 .922 .980	1 • 149 • 697 • 334 • 385 • 463 • 542 • 606 • 710 • 799 • 852 • 990 • 991 1 • 080 1 • 071	1.260 1.174 1.041 .360 .530 .611 .660 .759 .804 .872 .932 .962 1.059	1.426 1.288 1.238 .404 .505 .578 .648 .709 .790 .856 .903 .945 .987 1.017	1.357 1.238 1.244 .458 .624 .667 .944 .815 .887 .927 .970 1.007 1.007 1.029	1.258 1.214 1.177 .573 .6717 .803 .872 .914 .946 1.003 1.003 1.004 7.005 1.005
OUT NOT NOT NOT NOT NOT NOT NOT NOT NOT NO	010 030 050 075 100 150 200 250 350 400 450 500 540 710	1.126 .185 .327 .430 .514 .586 .698 .746 .918 1.000 1.049 1.121 1.140 1.146 1.173	.683 .361 .450 .535 .615 .677 .781 .861 .921 .991 1.047 1.130 1.111 1.187 1.243	1,002 .406 .524 .601 .686 .730 .825 .861 .922 .977 .999 1,058 1,102 1,130	1.140 .454 .570 .641 .709 .772 .843 .902 .945 .975 1.008 1.008 1.001 1.001	1.154 .514 .699 .731 .948 .865 .931 .962 1.003 1.030 1.050 1.050	1.153 .591 .753 .836 .911 .948 .986 1.018 1.027 1.036 1.042 1.049 1.049	1.000 .010 .030 .050 .075 .100 .150 .250 .300 .350 .400	1.108 .116 .234 .336 .428 .501 .613 .677 .741 .836 .922 .980	. 385 . 463 . 542 . 606 . 710 . 799 . 852 . 930 . 991 1. 080	1.041 .360 .456 .530 .611 .660 .759 .804 .872 .932 .962 1.059	1 · 288 1 · 238	1.244 .458 .624 .667 .944 .815 .887 .927 .970 1.007 1.007	1.0177 .573 .6717 .8072 .914 .966 1.003 1.002 1.003 1.0057 1.0052
OUT NOT NOT NOT NOT NOT NOT NOT NOT NOT NO	010 030 050 075 100 150 250 300 350 400 450 500 520 540 710	.185 .327 .430 .514 .586 .698 .746 .802 .918 1.009 1.049 1.121 1.140 1.140 1.173 1.173	.361 .450 .535 .615 .677 .781 .861 .921 .991 1.047 1.130 1.111 1.187 1.243	.406 .524 .601 .686 .730 .825 .861 .922 .977 .979 1.058 1.102	.454 .570 .641 .709 .772 .843 .902 .945 .975 1.008 1.031 1.061	.514 .699 .731 .948 .865 .931 .962 1.003 1.050 1.050	*591 *753 *836 *911 *948 *986 1*018 1*027 1*036 1*042 1*049	010 030 050 075 100 150 299 250 300 350 400	.116 .234 .336 .428 .501 .613 .677 .741 .836 .922	8385 6463- 542 606 710 799 852 930 991 10080	.360 .456 .530 .611 .660 .759 .804 .872 .932 .962	. 404 . 505 . 578 . 648 . 709 . 790 . 856 . 903 . 945 . 987 1.017	. 458 . 624 . 667 . 944 . 887 . 927 . 970 1.007 1.029 1.053	.573 .717 .803 .872 .914 .966 1.003 1.002 1.003 1.0047 1.0057
19MOT	030 050 075 100 150 200 250 300 350 400 450 520 540 710	• 327 • 430 • 514 • 586 • 698 • 746 • 802 • 918 1 • 000 1 • 049 1 • 121 1 • 146 1 • 173 1 • 198	. 450 .535 .615 .677 .781 .861 .921 .991 1.047 1.130 1.111 1.187 1.243 1.332	.524 .601 .686 .730 .825 .861 .922 .977 .999 1.090 1.058 1.102	.570 .641 .709 .772 .843 .902 .945 .975 1.008 1.0031 1.0061	.699 .731 .948 .865 .931 .962 1.003 1.030 1.050 1.050	.836 .911 .948 .986 1.018 1.027 1.036 1.042 1.049	030 050 075 100 150 209 250 300 350 400	.336 .428 .501 .613 .677 .741 .836 .922	. 463. . 542. . 606. . 710. . 799. . 852. . 930. . 991. 1. 080.	. 456 .530 .611 .660 .759 .804 .872 .932 .962	.578 .648 .709 .790 .856 .903 .945 .987 1.017	.624 .667 .944 .815 .887 .927 .970 1.007	0803 0872 0914 0966 10003 10020 10033 10047 10057
19MOT	050 075 100 150 200 250 350 400 450 500 520 540 710	.430 .514 .586 .698 .746 .802 .918 1.000 1.049 1.121 1.140 1.140 1.173 1.198	.535 .615 .677 .781 .861 .921 .991 1.047 1.130 1.111 1.187 1.2243	.601 .686 .730 .825 .861 .922 .977 .999 1.0090 1.0058 1.102	.641 .709 .772 .843 .902 .945 .975 1.008 1.031 1.061	.731 .948 .865 .931 .962 1.003 1.030 1.050 1.066	.836 .911 .948 .986 1.018 1.027 1.036 1.042 1.049	.050 .075 .100 .150 .209 .250 .300 .350 .400	.336 .428 .501 .613 .677 .741 .836 .922	.542 .606 .710 .799 .852 .930 .991 1.080	.530 .611 .660 .759 .804 .872 .932 .962	.578 .648 .709 .790 .856 .903 .945 .987 1.017	.667 .944 .815 .887 .927 .970 1.007 1.029	803 872 914 966 18003 18020 18033 18047 18057
00 1 22 23 23 23 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25	075 100 150 200 250 300 350 400 450 500 520 540 710	.514 .586 .698 .746 .802 .918 1.000 1.049 1.121 1.140 1.146 1.173 1.198	.615 .677 .781 .861 .921 .991 1.047 1.130 1.111 1.187 1.243	.686 .730 .825 .861 .922 .977 .999 1.090 1.058 1.102	.709 .772 .843 .902 .945 .975 1.008 1.031 1.061	.731 .948 .865 .931 .962 1.003 1.030 1.050 1.066	.911 .948 .986 1.018 1.027 1.036 1.042 1.049	.075 .100 .150 .200 .250 .300 .350 .400	.428 .501 .613 .637 .741 .836 .922	.606 .710 .799 .852 .930 .991 1.080	.611 .660 .759 .804 .872 .932 .962	.648 .709 .790 .856 .903 .945 .987 1.017	.667 .944 .815 .887 .927 .970 1.007 1.029	0872 0914 0966 10003 10020 10033 10047 10057
.1 0.1 0.2 0.2 0.2 0.3 0.4 0.4 0.4 0.5 0.5 0.5 0.5 0.7 0.7 0.7 0.7 0.8 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	100 150 200 250 300 350 400 450 500 520 540 710	.586 .698 .746 .802 .918 1.000 1.049 1.121 1.140 1.140 1.173 1.198	.677 .781 .861 .921 .991 1.047 1.130 1.111 1.187 1.243 1.332	.730 .825 .861 .922 .977 .999 1.090 1.058 1.102	.772 .843 .902 .945 .975 1.008 1.031 1.061	.948 .865 .931 .962 1.003 1.030 1.050 1.066	.948 .986 1.018 1.027 1.036 1.042 1.049	.100 .150 .209 .250 .300 .350 .400	.501 .613 .677 .741 .836 .922	•710 •799 •852 •930 •991 1•080	.660 .759 .804 .872 .932 .962	.709 .790 .856 .903 .945 .987 1.017	.944 .815 .887 .927 .970 1.007 1.029	.944 .966 1.003 1.020 1.033 1.047 1.057
22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	200 250 300 350 400 450 500 520 540 710	.746 .802 .918 1.000 1.049 1.121 1.140 1.146 1.173 1.198	.861 .921 .991 1.047 1.130 1.111 1.187 1.243	.861 .922 .977 .999 1.090 1.058 1.102	.902 .945 .975 1.008 1.031 1.061	.931 .962 1.003 1.030 1.050 1.066	1.018 1.027 1.036 1.042 1.049 1.040	. 200 . 250 . 300 . 350 . 400 . 450	.677 .741 .836 .922 .980	.852 .930 .991 1.080	.804 .872 .932 .962 1.059	.856 .903 .945 .987 1.017	.887 .927 .970 1.007 1.029 1.053	1.003 1.020 1.033 1.047 1.057
203004 055007 07007	250 300 350 400 450 500 520 540 710	.802 .918 1.000 1.049 1.121 1.140 1.146 1.173	.921 .991 1.047 1.130 1.111 1.187 1.243 1.332	.922 .977 .999 1.090 1.058 1.102	.945 .975 1.008 1.031 1.061 1.071	1.003 1.030 1.050 1.066 1.075	1.027 1.036 1.042 1.049 1.040	. 250 . 300 . 350 . 400 . 450	.741 .836 .922 .980	.930 .991 1.080 1.071	.872 .932 .962 1.059	.903 .945 .987 1.017 1.053	.927 .970 1.007 1.029 1.053	1.020 1.033 1.047 1.057
3 3 3 3 3 3 4 4 5 5 5 5 5 7 7 7 7 7 7 7 8 8 8 9 9 9 9 9 9 9 9 9 9	300 350 400 450 500 520 540 710	.918 1.000 1.049 1.121 1.140 1.146 1.173	.991 1.047 1.130 1.111 1.187 1.243 1.332	.977 .999 1.090 1.058 1.102	.975 1.008 1.031 1.061 1.071	1.003 1.030 1.050 1.066 1.075	1.036 1.042 1.049 1.040	• 300 • 350 • 400 • 450	• 836 • 922 • 980	.991 1.080 1.071	• 932 • 962 1•059	.945 .987 1.017 1.053	1.007 1.029 1.053	1.033 1.047 1.057 1.052
4 4 5 5 5 5 7 7 7 7 8 8 8 9 9 9 5 5 5	400 450 500 520 540 710	1.049 1.121 1.140 1.146 1.173 1.198	1.130 1.111 1.187 1.243 1.332	1.090 1.058 1.102 1.130	1.031 1.061 1.071	1.050 1.066 1.075	1.049	• 400 • 450	.980	1.071	1.059	1.017	1.029	1.057
.5 .5 .7 .7 .7 .7 .7 .8 .8	450 500 520 540 710	1.121 1.140 1.146 1.173 1.198	1.111 1.187 1.243 1.332	1.058 1.102 1.130	1.061	1.066	1.040	· 450				1.053	1.053	1.052
.5 .5 .7 .7 .7 .7 .7 .8 .8	500 520 540 710	1.140 1.146 1.173 1.198	1.187 1.243 1.332	1.102	1.071	1.075			10033		10030			
.5 .5 .7 .7 .7 .7 .7 .8 .8	520 540 710	1 • 146 1 • 173 1 • 198	1.243	1.130				4500	1.077	14219	1.104			10000
.7 .7 .7 .7 .8 .8 .9	710	1.198			1000	1.093	1.029	e 520	1.084	1.315	1.142	1.092	1.090	10044
.7 .7 .7 .8 .8 .8				1.212	1.185	1.218	1.053	o 540	1.113	1.875	1.246	1.194	1.213	1.068
.7 .7 .8 .8 .9	740	1.167	.886	1.027	1.010	1.046	1.080	• 710 • 740	1.100	• 958	. 904	0930	1.026	1.051
.7 .8 .8 .9		1.157	.975 1.018	• 964 • 968	. 937 . 928	.985 1.008	1.057	.760	1.109	0999 10017	• 912 • 952	o 915	1.018	1.025
.8 .9 .9		1.160	1.030	949	937	1.016	1.034	.780	1.115	1.000	. 944	956	1.029	1.005
•9 •9		1.130	1.013	0961	. 948	10017	1.029	* 800	1.088	1.061	o 965	0979	1.038	1.017
69 65	850	1.114	1.075	0994	a 989	1.039	1.015	∘ 85 Ų	1.0077	1.070	1.007	1.024	1.068	1.032
«5 «5	950	1.114	1.080	1.021	1.028	1.092	1.025	• 900 • 95 u	1.082	1.073	1.068	1.134	1.105	1.096
0.5														
9 06	560 580	1.259	.825 .937	1.274	1.365	1.293	1.012	∘ 560 ∘ 580	1.299	1.042	1.561	1.497	1.444	1.262
		1.253	.978	1.254	1,350	1.286	1.034	a 600	1.288	1.036	1.0543	1.490	1.430	1.245
dd •6	620	1.260	1.028	1.235	1.321	1.279	1.041	.620	1.288	1.052	1.508	1.472	1.426	1 0 2 3 4
oo Ce	640 660	1.255	1.053	1.201	1.307	1.278	1.047	+ 640 + 660	1.302	1.089	1.448	1.453	1.385	1.213
EL 06	680	1.284	1.096	10183	1.274	1.272	1.020	. 680	1.291	1.068	70323	1.421	14366	1.159
surface: U U	690	1.294	1.071	1.162	10254	1.277	T. 001	o 89 U	1.299	1.545	14298	1.398	1.353	10138
Spoiler er er	560		1,548	1.439				e 560		1.528	1.490			
100	580		1.536	10437	1.426	1.505	1.248	a 560		105-45	1.492	10427	1.500	1.247
er er	600		1.552	1.424	1 424	1.509	10255	.690		1.596	1.480	1.438	1.500	1.251
	640		1.557	1,435	1.439	1.500	1.278	640 640		1.550	1.434	1:454	1.393	10260
H 06	660		1.351	1.278	1.296	1.239	1.154	.660		1.040	1.339	1.308	1.188	10183
- 6	680		1.027	1.049	1.037	1.079	+944	a 680		10049	1.123	1.031	1.021	a 985
6	690		1.036	1.104	1.092	1.213	0915	a 69 U		1.851	1.242	1.098	1.201	1995
	560		1.672	1.440	1.584	1.595	1.539	. 560		1. 539	1.495	1.694	1.596	1.541
H . 4	580		1.542	1.305	1.438	1.462	1.236	a 580		1.300	1.421	1.450	1.465	1.242
	620		1.297	1.323	1.328	10361	1.180	62V		10257	1.356	1.341	10346	1.173
of de	640		1.237	1.124	1.186	1.225	1.068	0 640		. 909	1.147	1.201	1+198	1,070
100	660		. 899	e850	.881	• 962	.818	· 660		• 877	868	a 892	0937	. 824
	688		.880 .879	.804 .807	.809 .806	6862 6857	•717 •706	680 688		· 877	· 823	. 830 . 819	• 86 0 • 849	•723 •707
or														
	560 580	1.286	1.917	1.470	1.504	1.556	1.267	. 560 . 580	1.225	1.201	1.571	1.624	1.698	1.310
et of	600	1.214	1.392	1.500	1.531	1.498	1.254	0600	1.158	1.089	1.448	1.560	1.477	1.280
Lower	620	1.200	1.084	1.450	1.452	1.348	1.219	.620 .640	1.157	1.069	1.287	1.372	1.310	1.244
i i		1.200	1.084	1.256	1.341	1.253	1.190	.660	1.149	+ 999 + 983	1.059	1.059	1.236	1.210
- 06	640	1 4222	1.003	1.160	1.118	1.116	1.136	. 680	1.219	. 902	• 996	997	1.088	1.135
- 06	640 660 680	1.274	.923	1.147	1.075	1.074	1.125	o 688	1.087	1.690	. 987	0960	1.038	1.099

TABLE 14 .- PRESSURE COEFFICIENTS - Continued

 $\delta_{S} = -0.040 \,c; \,\delta_{d} = -0.03000 \,c$ 

			s	o, d	
α	=	12 0			$\alpha = 14^{\circ}$

	x/c		Pressure	coefficien	t Cp a	$t \frac{y}{b/2} = -$		x/c	I	ressure	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	240	0.15	0.30	0.50	0.70	0,85	0.97	A/C	0.15	0.30	0.50	0.70	0.85	0.97
Surface: Upper	*000 *010 *030 *050 *075 *100 *250 *330 *450 *520 *520 *520 *740 *740 *760 *860 *860 *850	1 • 331 3 • 047 3 • 005 2 • 977 2 • 915 2 • 824 2 • 518 2 • 122 1 • 775 1 • 594 1 • 592 1 • 420 1 • 363 1 • 271 1 • 299 1 • 291 1 • 291 1 • 201 1 • 201	1.304 2.428 2.395 2.386 2.383 2.379 2.329 2.329 2.063 1.610 1.575 1.564 2.057 2.079 2.155 2.049 1.756 1.464 1.212	. 923 1.946 1.927 1.923 1.919 1.910 1.895 1.887 1.888 1.881 1.879 1.856 1.874 1.770 1.679 1.679 1.679 1.679 1.670 1.670	1.354 1.668 1.656 1.655 1.657 1.655 1.655 1.654 1.655 1.650 1.651 1.651 1.661 1.615 1.647	947 1.578 1.577 1.574 1.575 1.576 1.589 1.599 1.608 1.632 1.632 1.632 1.632 1.632 1.632 1.632 1.632	1.255 1.463 1.465 1.465 1.476 1.476 1.476 1.509 1.514 1.521 1.5516 1.521 1.477 1.488 1.327 1.327 1.327 1.327 1.327 1.320 1.327	.000 .010 .030 .055 .075 .100 .150 .250 .355 .400 .455 .500 .572 .722 .740 .780 .800 .855 .955	2.421 2.382 2.372 2.372 2.342 2.342 2.342 2.030 2.020 1.868 1.737 1.616 1.545 1.473 1.271 1.304 1.310 1.310 1.315 1.288 1.261 1.216	1.346 2.253 2.229 2.230 2.225 2.221 2.213 2.212 2.210 2.194 2.139 2.077 1.998 1.903 1.885 2.375 2.375 2.456 1.502	1.035 1.943 1.914 1.912 1.904 1.895 1.884 1.877 1.877 1.877 1.877 1.868 1.856 1.856 1.856 1.856 1.566 1.566 1.566 1.568 1.568	1.578 1.706 1.705 1.705 1.705 1.706 1.704 1.708 1.712 1.714 1.725 1.734 1.750 1.750 1.752 1.742 1.399 1.399 1.397 1.398 1.406 1.413 1.418	1.127 1.662 1.658 1.658 1.669 1.669 1.671 1.680 1.673 1.774 1.742 1.744 1.673 1.408 1.410 1.422 1.429 1.429 1.430 1.430 1.430 1.430 1.430 1.430 1.430 1.430	1.445 1.519 1.520 1.523 1.5527 1.531 1.5545 1.5561 1.556 1.6563 1.646 1.
Wing 8	1.000  .010 .030 .050 .075 .075 .150 .200 .250 .250 .450 .450 .710 .740 .7760 .780 .8800 .9900 .950	102 * 209 * 306 * 395 * 468 * 582 * 647 * 715 * 804 * 892 * 1007 * 1100	.709 .333 .361 .433 .506 .564 .669 .754 .815 .890 .956 1.049 1.045 1.133 1.192 1.283 .854 .950 .995 1.010 .995 1.010 .995 1.078	1.105  .348 .421 .486 .566 .566 .518 .718 .7039 1.030 1.108 1.151 1.259 .865 .904 .961 .995 1.036 .995	1.298 .379 .600 .665 .744 .815 .875 .914 .960 .995 1.046 1.099 1.205 .910 .973 .950 .978 1.051 1.107	1.329  .420 .619 .633 .939 .784 .865 .910 .996 1.002 1.025 1.058 1.085 1.106 1.245 1.022 1.027 1.044 1.055 1.093 1.135	1.224 .542 .649 .755 .840 .889 .952 .920 1.026 1.074 1.076 1.079 .994 .994 .995 .996 .999 1.026 .999 .996 .996 .999 .910 .926 .937 .947 .948	1.000 010 030 050 075 100 150 200 2556 500 4556 500 7710 7444 760 8850 900 9550	.076 .180 .270 .358 .427 .540 .603 .675 .849 .913 1.025 1.036 1.063 1.115 1.082 1.105 1.082 1.105 1.078	. 340 . 340 . 404 . 472 . 525 . 628 . 711 . 773 . 848 . 917 . 1013 1.017 1.118 1.187 1.300 . 850 . 991 1.013 . 999 1.016 1.019	*350 .398 .458 .529 .577 .679 .735 .803 .871 .908 1.009 1.009 1.140 1.258 .843 .905 .976 .903 1.003 1.000 1.115 1.003	.371 .430 .487 .553 .621 .703 .776 .838 .882 .993 .973 1.029 1.029 1.029 1.045 1.100 1.217 .990 .930 .987 1.010 1.217 .931 .941 .941 .941 .941 .941 .941 .941 .94	.407 .535 .594 .925 .743 .822 .874 .975 1.012 1.049 1.049 1.049 1.026 1.026 1.040 1.028 1.001	.524 .636 .728 .812 .867 .935 .938 1.004 1.008 1.008 1.008 1.008 1.009 1.009 1.003 1.013 .991 1.013 1.
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.341 1.317 1.309 1.301 1.281 1.302 1.287 1.294	1.487 1.446 1.390 1.359 1.316 1.283 1.267	1.723 1.700 1.688 1.663 1.625 1.620 1.586	1.602 1.601 1.581 1.560	1.587 1.571 1.555 1.529 1.509 1.488 1.479	1.440 1.420 1.400 1.367 1.337 1.306	• 560 • 580 • 600 • 620 • 640 • 660 • 680	1.401 1.373 1.354 1.316 1.332 1.309	1.822 1.798 1.752 1.723 1.679 1.643 1.620 1.598	1.768 1.766 1.757 1.746 1.717 1.704 1.678	1.712 1.703 1.667 1.650	1.671 1.657 1.647 1.634 1.629 1.624 1.619	1.578 1.564 1.539 1.505 1.476 1.460
Spoiler	.560 .580 .600 .620 .640 .660 .680		1.513 1.528 1.565 1.605 1.569 1.417 1.139	1.513 1.510 1.500 1.491 1.433 1.309 1.120	1.446 1.463 1.485 1.474 1.319 1.037	1.544 1.548 1.529 1.421 1.197 1.018	1.260 1.263 1.273 1.273 1.276 1.276 1.119	.560 .580 .600 .620 .640 .660		1.602 1.650 1.676 1.686 1.604 1.422 1.237	1.511 1.508 1.505 1.495 1.427 1.282 1.085 1.299	1.480 1.502 1.525 1.494 1.343 1.068	1.628 1.628 1.592 1.445 1.184 1.047	1.292 1.305 1.324 1.348 1.345 1.208
r surface: Upper	6560 6580 6600 6640 6660 6880		1.666 1.540 1.502 1.312 1.268 .915 .863 .865	1.517 1.374 1.433 1.365 1.139 .862 .844	1.634 1.384 1.473 1.362 1.212 .906 .849 .839	1.644 1.497 1.487 1.374 1.221 .961 .899 .886	1.614 1.262 1.246 1.186 1.093 .865 .741	• 560 • 580 • 600 • 620 • 640 • 680 • 688		1.747 1.620 1.582 1.360 1.267 .937 .893 .892	1.512 1.375 1.433 1.364 1.130 .863 .860 .858	1.692 1.413 1.503 1.388 1.232 .925 .873 .864	1.734 1.559 1.547 1.427 1.261 1.006 .949 .929	1.677 1.304 1.289 1.236 1.150 .919 .775
Deflector	.560 .580 .600 .620 .640 .660 .680	1.213 1.155 1.145 1.147 1.136 1.156 1.211 1.103	1.886 1.652 1.120 1.082 1.066 .990 .972 .888	1.696 1.597 1.347 1.167 1.054 .999 .946	1.630 1.657 1.527 1.283 1.120 .999 .956	1.609 1.655 1.459 1.274 1.174 1.098 1.066 1.017	1.359 1.328 1.298 1.249 1.203 1.162 1.099 1.053	.560 .580 .600 .620 .640 .660	1.123 1.113 1.114 1.104 1.125 1.179	1.839 1.424 1.102 1.083 1.051 .981 .961	1.778 1.573 1.249 1.100 1.016 .969 .927 .907	1.635 1.654 1.432 1.174 1.055 .969 .939 .900	1.615 1.633 1.376 1.182 1.109 1.047 1.031	1.419 1.340 1.298 1.229 1.165 1.099 1.034

TABLE 14 .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{\text{S}}=\text{$^{160}$ od 0}\text{ c};\ \delta_{\text{d}}=\text{$^{160}$ od 0}\text{ c}\right]$ 

c = 16 °

g = 18 °

				= 16 °							L = 18 °		VY.	
	×/0	1	Pressure	coefficient	t C <sub>p</sub> at	$\frac{y}{b/2} = -$		x/c	P	ressure co	pefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	λ/ C	0.15	0.30	0.50	0.70	0.85	0.97
g Surface: Upper	.000 .010 .030 .050 .075 .100 .200 .250 .300 .400 .450 .520 .538 .740 .740 .760 .760 .850 .850 .950	1.138 2.227 2.223 2.232 2.232 2.227 2.217 2.104 1.893 1.792 1.6690 1.684 1.425 1.442 1.442 1.442 1.442 1.442 1.443 1.442 1.443	2-165 2-165 2-159 2-163 2-163 2-168 2-168 2-161 2-157 2-109 2-065 2-008 1-987 1-973 2-337 2-337 2-390 2-337 1-973	1.103 1.949 1.918 1.909 1.898 1.899 1.889 1.871 1.869 1.871 1.869 1.871 1.808 1.739 1.541 1.541 1.541 1.548 1.558 1.554	1.744 1.760 1.762 1.762 1.768 1.7768 1.779 1.879 1.824 1.824 1.824 1.829 1.824 1.824 1.824 1.824 1.825 1.842 1.423 1.423 1.424 1.432 1.445 1.455 1.455 1.455 1.455 1.455 1.455 1.455 1.455 1.455 1.455 1.455 1.455 1.455	1.0265 1.0724 1.0724 1.0723 1.0724 1.0736 1.0736 1.0736 1.0746 1.0746 1.0818 1.	1.559 1.575 1.574 1.574 1.579 1.584 1.669 1.661 1.692 1.715 1.723 1.707 1.684 1.399 1.399 1.399 1.417 1.408 1.388 1.408 1.388 1.408 1.388 1.408	.000 .010 .030 .050 .075 .150 .250 .300 .450 .500 .520 .538 .710 .720 .740 .760 .880 .880 .850 .950 .950	1.136 2.075 2.065 2.076 2.078 2.088 2.088 2.089 2.076 2.025 1.971 1.974 1.667 1.651 1.558	1.459 2.0101 2.085 2.087 2.092 2.095 2.097 2.096 2.075 2.075 2.075 2.0161 2.026 2.161 2.125 2.287 2.255 2.084 1.941 1.646 .749	1.210 1.950 1.933 1.928 1.928 1.929 1.916 1.916 1.914 1.915 1.899 1.870 1.886 1.842 1.557 1.552 1.557 1.552 1.552	1.916 1.842 1.848 1.850 1.850 1.856 1.856 1.874 1.889 1.892 1.872 1.855	1.474 1.785 1.785 1.780 1.784 1.878 1.822 1.884 1.822 1.884 1.825 1.821 1.825 1.846 1.477 1.466 1.477 1.478 1.485 1.485	1.6671 1.6552 1.6555 1.6562 1.6569 1.6569 1.6724 1.7724 1.7724 1.7752 1.7751 1.7802 1.7751 1.775 1.7758 1.4728 1.4735 1.433 1.433 1.437 1.377
Wing	**************************************	*068 *152 *242 *332 *399 *508 *575 *645 *733 *822 *890 *770 1:004 1:004 1:007 1:007 1:007 1:008 1:008 1:108 1:108 1:108 1:108 1:108	.344 .328 .378 .440 .495 .595 .677 .740 .889 .991 1.200 1.211 1.363 .846 .944 .991 1.010 1.002 1.008 1.008 1.008 1.114 1.153	*350 *385 *438 *507 *553 *553 *653 *653 *002 1.000 1.097 1.151 1.272 *817 *899 972 *972 1.000 1.066 1.123 1.191	*376 *411 *465 *526 *588 *671 *6745 *811 *952 10021 10066 1103 11240 *990 *990 *992 1018 1075 1144 11210	*407  *505 *588 *924 *719 *800 *860 *911 *965 1:008 1:051 1:099 1:134 1:306 *975 1:027 1:049 1:063 1:113 1:110 1:245	.529 .626 .720 .808 .863 .940 .996 .026 1.053 1.077 1.100 1.114 1.128 1.127 1.172 .951 1.020 1.041 1.041 1.049 1.072 1.099 1.130 1.189	0010 0030 0050 0075 1100 1150 200 250 300 250 400 550 520 520 540 710 740 780 880 880 890	.037 .118 .209 .296 .360 .474 .538 .607 .698 .791 .029 1.029 1.073 1.073 1.075 1.106 1.078 1.078	.356 .312 .355 .409 .457 .553 .637 .703 .779 .856 .964 .128 1.28 1.456 .833 .941 .988 1.011 1.007	2367 2364 404 462 508 604 663 735 807 850 952 975 1:084 1:147 881 996 995 1:068 1:136	.383 .389 .431 .489 .551 .631 .704 .776 .623 .885 .937 .002 1.006 1.113 .933 .970 .998 8.002 1.006 1.023 1.006 1.023	.410 .500 .586 .917 .674 .824 .885 .943 .943 .904 1.099 1.142 1.336 .955 1.019 1.045 1.071 1.119 1.185	.548 .622 .712 .806 .866 .947 1.013 1.044 1.072 1.148 1.170 1.176 1.224 .985 1.057 1.078 1.080 1.106 1
Spoiler surface: er Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.646 1.609 1.579 1.550 1.512 1.502 1.473	1.951 1.927 1.901 1.882 1.847 1.818 1.797 1.781	1.793 1.795 1.782 1.771 1.751 1.748 1.724 1.723	1.750 1.740 1.730 1.724 1.733 1.704	1.736 1.733 1.737 1.742 1.750 1.757 1.749	1.638 1.626 1.600 1.577 1.562 1.568 1.586	.560 .580 .600 .620 .640 .660 .680 .690	1.925 1.902 1.868 1.840 1.800 1.784 1.740	1.997 2.007 1.992 1.981 1.957 1.929 1.922 1.915	1.856 1.850 1.844 1.831 1.836 1.827 1.822	1.846 1.853 1.851 1.860 1.866 1.827	1.813 1.824 1.842 1.865 1.878 1.882 1.860	1.690 1.685 1.679 1.690 1.715 1.745 1.749
Sp. Lower	.660 .680 .690 .560		1.766 1.675 1.474 1.311 1.579 1.923 1.734 1.670	1.554 1.481 1.277 1.064 1.308 1.546 1.391	1.565 1.549 1.389 1.088 1.175 1.754 1.462 1.554	1.647 1.500 1.230 1.082 1.402 1.812 1.613 1.598	1.401 1.394 1.237 1.259 1.759 1.354 1.338	.640 .660 .680 .690		1. 799 1. 553 1. 345 1. 628 2. 151 1. 887 1. 796	1.585 1.314 1.057 1.305 1.610 1.453 1.529	1.628 1.451 1.115 1.203 1.851 1.524 1.619	1.540 1.257 1.115 1.467 1.903 1.674 1.651	1.471 1.451 1.281 1.309
Deflector surface:	.660 .680 .688	1.159 1.107 1.099	1.426 1.317 .983 .942 .940 1.800 1.206 1.109	1.387 1.162 .881 .879 .878 1.793 1.475 1.169	1.435 1.269 .953 .896 .887 1.660 1.633 1.300	1.472 1.295 1.035 .977 .956 1.672 1.633 1.292	1.277 1.192 .946 .808 .789 1.466 1.348 1.299	620 640 660 680 688	1.146 1.095 1.086	1.539 1.408 1.046 1.018 1.024 1.580 1.131 1.109	1.467 1.232 .923 .920	1.499 1.331 .991 .929 .922 1.668 1.540 1.136	1.519 1.338 1.065 1.009 .987 1.688 1.553 1.203 1.063	1.346 1.250 .990 .855 .833 1.529 1.351 1.300
Def	•660	1.092	.972 .955	1.060 .992 .954 .913 .884	1.081 1.013 .953 .930 .883	1.08 1.063 1.016 1.007 .950	1.206 1.131 1.082 1.029 .977	660 660	1.081	1.033 .962 .940	• 966 • 925 • 879	• 995 • 947 • 918 • 872	1.034 .995 .987 .922	1.096

TABLE 14 .- PRESSURE COEFFICIENTS - Continued

	$\delta_{s} = -0.040  c;  \delta_{d} = -0.03000  c$	
a = 20°	Ls d	$\alpha$ = 22 $^{\circ}$

			Pressure	coefficien	t Cp at	<u>y</u> = -	- 1		P		oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
1	-	0,20	0.00	0.00										
	.000	1.180	2.038	1.312	2.024	1.595	1.676	.000	1.983	1.555	1.964	2.076	1.655	1.648
	•030	1.987	2.028	1.959	1.879	1.800	1.649	0030	1.987	2.001	1.954	1.876	1.806	1.618
	.050	1.989	2.027	1.958	1.884	1.800	1.652	. 050 . 075	1.990	2.004	1.954	1.881	1.804	1.622
	•075 •100	1.993	2.031	1.959	1.887	1.801	1.664	.100	1.996	2.013	1.950	1.881	1.806	1 0 6 3 6
	.150	2.004	2.040	1.956	1.895	1.812	1.679	• 150	2.000	2.017	1.955	1.886	1.817	1.649
	•200 •250	2.011	2.044	1.961	1.899	1.821	1.699	• 200 • 250	2.012	2.026	1.961	1.896	1.828	1.686
	.300	2.018	2.051	1.970	1.916	1.845	1.738	• 300	2.008	2.028	1.963	1.896	1.838	1.697
er er	•350	2.008	2.054	1.963	1.917	1.850	1.758	e 350 e 400	1.994	2.030	1.955	1.886	1.830	1.698
Upper	.450	2.001	2.050	1.954	1.899	1.831	1.737	. 450	1.986	2.026	1.943	1.877	1.823	1.675
12	•500	2.003	2.037	1.937	1.883	1.822	1.684	•500 •520	1.985	2.014	1.930	1.873	1.828	1:650
	•520 •538	2.003	2.025	1.923	1.895	1.814	1.673	•538	1.980	2.008	1.922	1.892	1.828	1 654
	.710	1.833	2.014	1.588	1.498	1.508	1.435	•710	1.795	2.023	1.606	1.519	1.538	1.410
	•720 •740	1.820	2.029	1.579	1.492	1.519	1.431	• 740	1.762	2.052	1.609	1.521	10544	1.408
	.760	1.753	2.077	1.584	1.508	1.524	1.431	• 760	1.734	2.012	1.613	1.525	10545	10411
.: O	.780 .800	1.672	2.015	1.586	1.514	1.525	1.436	• 780 • 800	1.670	1.954	1.619	10534	10544	1.411
Surface	.850	1.573	1.741	1.594	1.534	1.530	1.430	.850	1.593	10743	1.616	1.550	1.548	10414
E	.950	1.408	1.549	1.535	1.510	1.522	1.404	1.000	1.442	1.579 .765	1.560	1.527	1.549	1.378
	1.000	1.362	•758	1.290	1.487	1.529	1.385	1.000	10070	. 102				
Wing	.010	.022	.373	•387	.402	• 428	.549	.010	•021	.382 .294	.403 .350	0411 0367	444	.550 .581
	.030 .050	•091 •176	•299 •331	a 356	•378 •412	. 493	•597 •686	. U50	.164	0316	0 365	0395	+491	.665
	.075	.261	.380	.435	.458	a 499	.773	0075	.244	• 358	0411	. 439 . 492	.540	.748 .808
1	•100	• 327 • 438	•424 •518	•480 •573	•52±	• 576 • 643	•839 •922	•100	•306 •417	. 401 . 489	o 453	.571	.624	.885
	•150 •200	.502	.602	0632	.676	.730	.985	• 200	.480	a 569	•606	0647	0713	0955
1	.250	.570	.668	•703	.752 .803	0793	1.019	• 250	.547 .639	0636	00/0	0716 0775	.778 .839	1.024
	•300 •350	.661 .754	.744 .811	.776 .828	.869	.912	1.077	.350	.731	0 100	.805	.840	0902	1.050
Lower	.400	.821	.925	.949	.925	.967	10110	• 400	•791	. 889	•922 •947	• 896 • 973	1.019	1.084
3	.450 .500	•907 •951	.962 1.117	1.093	1.064	1.018	1.135	. 450 . 500	.882 .931	1.095	1.072	1.049	1.089	1.148
	•520	.969	10247	1.162	1.124	10143	1.177	•520	0945	1.223	1.150	1.111	1.151	1.169
	•540	1.001	1.479	1.320	1.288	1.351	1.234	• 540	1.066	1.461	1.325 .758	1.289	1.367	1 · 226
	•710	1.066	.825 .937	•769 •883	.938	958	1.067	.740	10000	. 929	.876	0931	0957	1.059
	.760	1.071	.990	•976	.982	1.020	1.084	• 760	1.059	. 983 1.010	• 971 • 972	1.000	1.025	1.077
	•780 •800	1.081	1.015	.980 1.015	1.004	1.046	1.087	• 780 • 800	1.071	1.009	1.012	1.031	1.075	1.102
	.850	1.096	1.109	1.093	1.102	1.127	1.144	.850	1.095	1.111	1.091	1.099	1.139	1.124
	.900	1.144	1.165	1.170	1.182	1.195	1.240	•900	1.146	1.172	1.170	1.179	1.308	1.228
1	•950	1.200	1.240	1.255	1.264	10472	20210	1						
	•560	1.991	2.013	1.918		7 044	1.404	• 560	1.961	1.998	1.919	1.902	1.872	1.700
e r	•580 •600	1.977	2.018	1.919	1.898	1.846	1.686	.600	1.921	1.997	1.919	1.913	1.894	1.720
dd	.620	1.947	2.002	1.918	1.913	1.890	1.726	• 620	1.904	1.994	1.924	1.912	1.925	1.751
Ce	•640 •660	1.926	1.992	1.919	1.922	1.909	1.763	• 640	1.872	1.976	1.934	10741	1.955	1.794
rfa	.680	1.882	1.972	1.922	1.919	1.922	1.800	• 680	1.827	1.970	1.930	1.916	1.944	1.797
surface: Upper	•690	1.871	1.964	1.921	1.886	1.899	1.791	• 690	1.820	1.964	1.926	1.894	1.924	1.779
Spoiler	•560		1.928	1.633				• 560		1.921	1.651			
poi	•580		1.942	1.652	1.640	1.775	1.448	•580 •600		1.936	1.672	1.656	1.808	1.442
	•600 •620		1.967	1.672	1.682	1.742	1.466	.620		1.980	1.739	1.698	1.777	1.464
Low	e640		1.866	1.652	1.677	1.579	1.493	. 640 . 660		1.845	1.662	1.697	1.613	1.485
	.660 .680		1.290	1.082	1.500	1.292	1.469	.680		1.273	1.106	1.169	1.172	1.272
	.690		1.586	1.342	1.240	1.504	1.317	• 690		1.583	1.369	1.251	1.530	1.298
	. 540		2.240	1.402	1.020	1.070	1.921	a 560		2 • 245	1.716	1.965	2.042	1,924
	•560 •580		2.249 1.950	1.682	1.928	1.717	1.454	• 580		1.944	1.715	1.965	2.042	1.453
per	.600		1.858	1.594		1.692	1.430	•600 •620		1.853	1.550	1.562	1.590	1.423
ie: Upi	•620 •640		1.588	1.535	1.549	1.561	1.263	. 640		1.421	1.293	1.392	1.399	1.253
fac	.660		1.076	•958	1.024	1.093	.998	• 660		1.071	•970	1.035	1.052	. 846
surface: Upp	•680 •688		1.068	•961 •955	• 959 • 952	1.004	.845	688 688		1.066	• 971	.961	1.032	.842
Deflector	•560	1.118	1.299	1.746	1.692	1.675	1.513	• 560	1.092	1.221	1.655	1.685	1.657	1.455
lec	•580	1.070	1.111	1.148	1.395	1.446	1.325	•580	1.048	1.088	1.063	1.059	1.352	1.298
Def	e620	1.066	1.092	1.078	1.084	1.048	1.137	.620	1.048	1.037	0999	1.025	1.047	1.104
Def	.640	1.061	1.019	.964	1.004	1.028	1.105	• 640	1.042	1.005	•948 •910	•991	1.028	1.087
	· 6660	1.084	•952 •931	,927 ,876	• 954	.984	1.000	.660 .680	1.065	940	. 864	.911	•974	1.052
		1.143	.856	.841	.875	.902	1.002	.688	1.158	e 847	•827	.865	.897	•994
									Harris Marie	-				

TABLE 14 .- PRESSURE COEFFICIENTS - Concluded

 $\left[\delta_{s} = -0.040 c; \delta_{d} = -0.03000 c\right]$ 

_	- 1	Г	racciira (	= 230	C <sub>p</sub> at	<u>y</u> = -	
	x/c	0.15	0.30	0.50	0.70	b/2 0.85	0.97
-		0.10	0.50	0.50	0.10	0.00	0.01
	.000	1.272	1.625	1.467	2.160	1.698	1.543
	.010 .030	2.000	2.028	1.983	1.896	1.820	1.519
	.050	2.011	2.024	1.982	1.901	1.821	1.522
	•075	2.011	2.031	1.979	1.902	1.821	1.528
	.100	2.014	2.034	1.978	1.901	1.821	1.535
	•150 •200	2.019	2.044	1.983	1.904	1.832	1.563
	.250	2.026	2.046	1.988	1.907	1.839	1.575
	.300	2.021	2.052	1.988	1.906	1.839	1.584
61	.350 .400	2.010	2.052	1.983	1.903	1.833	1.574
dd	a450	1.996	2.046	1.968	1.883	1 . 8,31	1.557
P	.500	1.993	2.039	1.949	1.883	1 . 942	1.547
	•520	1.977	2.036	1.949	1.887	1.859	1.556
	•538 •710	1.767	2.193	1.672	1.551	1.556	1.324
- 1	.720	1.781	2.192	1.652	1.544	1.556	1.323
	.740	1.755	2.240	1.659	1.549	1.558	1.323
	•760 •780	1.730	2.003	1.663	1.552	1.560	1.325
;	.800	1.684	1.932	1.672	1.567	1.560	1.328
101	.850	1.625	1.754	1.666	1.572	1.564	1.325
Dariacci	a 950	1.489	1.605 .772	1.590	1.555	1.559	1.315
φ	1.000	10433	0112	10344		10203	10300
W III	.010	.017	.405	• 42 4	.430	e 456	•529 •545
	.030 .050	.074 .157	•294 •310	o344	•364 •387	. 492	0619
- {	.075	•236	.346	•393	.426	.469	•697
	.100	.300	.385	·429	.476	.530	•750
	.150	. 408 . 465	.473 .553	•517	•557 •629	.609 .696	.831 .895
	•200 •250	o 536	.617	.654	•703	.765	.927
	.300	.630	.693	•722	.759	.827	.956
84	.350	•717	.768	.783 .899	.824	. 894 . 946	.980 1.018
ower	.400 .450	. 779 . 873	.922	•930	.884 .963	1.009	1.042
3	.500	. 924	1.083	1.062	1.043	1.090	1.075
	.520	• 938	1.216	1.145	1.115	1.154	1.099
	•540	• 972	.811	1.332 .749	1.298 .878	0943	1.158
	•710 •740	1.067	.931	871	.932	.953	997
	a760	1.063	.984	.946	.976	1.024	1.012
	e780	1.099	1.013	•964	1.008	1.054	1.012
	.800 .850	1.074	1.010	1.002	1.034	1.077	1.039
	900	1.158	1.185	1.176	1.189	1.213	1.095
	•950	1.228	1.268	1.279	1.288	1.317	1.158
	e560	1.957	2.024	1.947	1.909	1.889	1.616
H	•580 •600	1.934	2.032	1.947	1.918	1.909	1.643
Upper Upper	•620	1.882	2.021	1.950	1.920	1.937	1.662
G.	e640	1.852	2.011	1.944	1.929	1.951	1.685
tac	•660	1.841	1.989	1.952	1.923	1.966	1.694
sur	.680 .690	1.804	1.985	1.943	1.907	1.933	1.670
Spoiler surface: er	.560		1.937	1,686			
0	•580		1.966	1.686	1.679	1.830	1.367
Sp	0600		1.993	1.719	1.697	1.832	1.371
Si	•620 •640		1.833	1.668	1.716	1.637	1.397
H	e660		1.523	1.380	1.534	1.337	1.375
	e680		1.659	1.420	1.190	1.186	1.190
	•690		1.6037				
	•560 •580		2.269 1.965	1.745	2.013	2.074	1.828
er	•600		1.871	1.633	1.715	1.741	1.345
Jpper Upper	•620		1.594	1.564	1.589	1.608	1.280
ace	•640 •660		1.434	1.296 .981	1.415	1.126	0931
urf	.680		1.075	.991	. 986 . 976	1.062	.817 .795
Deflector surface:	e688		1.092	•982		1.038	
cto	•560	1.089	1.076	1.517	1.673	1.652	1.320
fle	•580 •600	1.042	1.061	1.043	1.060	1.131	1.109
De	•620	1.046	1.030	.988	1.025	1.052	1.032
Lower	•640	1.038	.999	0937	. 987	1.028	1.023
	s660 s680	1.066	•937 •915	.896 .852	• 941 • 908	985 973	0991
	. aba()	10144	9743	4027	.865		936

		(	x = * °			
/-	P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
x/c	0.15	0.30	0.50	0.70	0.85	0.97
. 000 . 010 . 010 . 050 . 075 . 100 . 150 . 250 . 350 . 450 . 520 . 520 . 520 . 740 . 760 . 760 . 780 . 780 . 800 . 850 . 850 . 850						
.010 .030 .050 .075 .100 .200 .300 .350 .400 .520 .540 .710 .740 .780 .850 .950						
.560 .580 .600 .620 .640 .660 .680						
.560 .580 .600 .620 .640 .660 .680						
.560 .580 .600 .620 .640 .660 .680						
.560 .580 .600 .620 .640 .660 .688						

TABLE  $^{15}$  .- PRESSURE COEFFICIENTS  $\left[\delta_{\text{S}}=^{-0.060}\text{c};\;\delta_{\text{d}}=^{-0.04500}\text{c}\right]$ 

1				coefficien	t C <sub>n</sub> a	t <u>y</u> = -			P		oefficient	C <sub>n</sub> at	<u>y</u> = -	
	x/c			_		b/2		x/c	0.15	0.30	0.50	0.70	b/2 - 0.85	0.9
-		0.15	0.30	0.50	0.70	0.85	0.97		0.15	0.30	0.50	0.70	0.00	0.8
	•000	1.663	2.657	2.828	2.096	1.647	0994	.000	• 394	1.250	2.595	1.913	1.795	07
	•010	• 622 • 789	•476	•452 •618	•388	• 426 • 610	•521	•010	•920 •976	• 785 • 907	• 622 • 781	•503 •697	· 444 · 676	• 5
	.050	.855	.745	.697	.631	.678	.809	• 050	1.001	. 933	.838	.762	0747	. 8
	•075	.865	•799	•748	•692	•739	.860	• 075	• 985	0 957	.870	.808	.801	09
	•100 •150	• 894 • 932	.829 .859	•785 •818	•732 •781	• 782 • 843	•901 •937	• 100	1.002	• 976 • 985	.892	.843 .875	• 836 • 881	09
	•200	•949	890	.839	.808	.863	950	• 200	1.024	• 982	0911	.883	. 895	0 9
	.250	.966	.897	.837	.819	.871	•958	• 250	1.043	• 974	.902	.878	. 893	09
	•300	• 967	.898	•840 •820	.826	· 884 · 879	• 963 • 956	• 350	1.026	• 963 • 950	· 889	. 872 . 856	· 895	
H	•350 •400	•972	.879 .844	•782	.814 .778	.858	0941	. 400	1.025	909	.819	.809	. 858	
Upper	.450	.964	.787	.719	.739	.823	.909	. 450	1.009	. 833	0742	.764	.808	
P	•500	.965	•661	•629	•601	•716	.842	•500	1.003	• 705	• 642 • 586	• 648 • 626	•706 •641	
	•520 •538	945	•602 •526	•522	.615 .572	. 652 . 660	.823 .784	• 520 • 538	.983 1.010	629 544	0511	•567	. 649	
	.710	1.216	1.967	1.483	1.455	1.951	1.407	.710	1.255	2.119	1.538	1 . 447	2.001	10
	.720	1.240	1.917	1.468	1.429	2.080	1.396	• 720	1.276	2 126	1.534	1 446	2.106	10
	•740	1.264	2.049	1.483	1 . 486	2.129	1.422	0740	1.295	2.165	1.541	1.474	2.348	10
	•760 •780	1.255	2.036	1.485	1.529	1.570	1.436	•760	1.293	2.069	1.542	1.484	1.705	10
	.800	1.226	1.887	1.489	1.516	1.266	1.425	.800	1.249	2.012	1.542	1.489	1.438	10
	.850	1.172	1.543	1.480	1.466	1.271	1.407	. 850	10174	1.656	10533	1.489	1.279	10
	1.000	1.078	1.089	.682	1.049	1.225	.877	1.000	1.137	1 · 277	10411 0872	1.308	1.237	10
	1.000	10010	8280	0002	8744	10201	9041	1.000	10231	0 207	0012	10230	10246	**
	.010	1.585	1.818	2.141	2.202	1.888	1.693	.010	1.205	1.433	1.714	1.986	1.940	10
	•030 •050	1.352	1.550	1.938	1.946	1.822	1.586	.030	1.111	1.331	1.446	10603	1.620	10
	•075	1.244	1.364	1.648	1.868	1.766	1.448	.075	1.097	1.261	1.445	1.509	1.460	1.
	.100	1.244	1.358	1.539	1.682	1.427	1.316	.100	1.115	1 . 262	1.358	1.477	1.416	1.
	.150	1.297	1.383	1.491	1.471	1.561	1.219	• 150	1.187	1.314	1.377	1.389	1.336	10
	•200	1 . 247	1.393	1.406	1.391	1.460	1.182	• 200	1.174	1.341	1.314	1.355	1.270	1.
3	• 250 • 300	1.254	1.381	1.395	1.321	1.341	1.179	• 300	1.274	1.363	1.341	1.302	1.246	1.
	.350	1.386	1.406	1.347	1.291	1.298	1.175	• 350	1.329	1.384	1.302	1.281	1.224	1.
Lower	.400	1 . 435	1.433	1.373	1.255	1.273	1.173	.400	1.371	1.431	1.335	1.240	1.191	10
NO	•450	1.473	1.318	1.262	1.119	1.247	1.120	• 450	1.421	1.357	1.242	1.187	1.162	10
H	e500	1.467	1.327	1.222	1.145	1.222	1.133	•500	1.421	1.368	1.207	1.145	1.127	10
	•520 •540	1.489	1.406	1.233	1.148	1.248	1.160	.540	1.445	1.453	1.244	1.190	1.194	10
	.710	1.423	.839	1.687	1.514	1.549	1.514	.710	1.398	.800	1.766	1.590	1.491	10
	•740	1.361	.897	1.701	1.482	1.438	1.492	• 740	1.335	• 927	1.812	1.585	1.468	10
	•760	1.323	• 962	1.711	1.461	1.385	1.475	•760 •780	1.302	1.025	1.822	1.580	1.447	103
	.780 .800	1.311	• 993 • 996	1.673	1.426	1.340	1.441	.800	1.258	1.018	1.700	1.551	1.436	10
	.850	1.228	1.077	1.503	1.295	1.226	1.333	. 850	1.211	1.111	1.513	1.472	1.364	103
	.900	1.202	1.097	1.382	1.242	1.200	1.278	. 900	1.190	1.130	1.328	1.403	1.312	10
	• 950	1.174	1.013	1.266	1.063	1.181	1.121	• 950	1.168	1.120	1.248	1.282	1.233	10
	.560	1.010	.490	.517				.560	1.047	.507 .643	.515			
5.	•580	1.016	0614	•600	•621	•709	.818	• 580	1.050	· 643	.612 .686	• 620 • 690	• 689	
be	•600 •620	1.047	•687 •772	•674	•693 •733	.795 .861	.858 .892	.600 .620	1.082	. 814	.742	• 728	.770 .841	
d'i	•640	1.103	.824	.780	.793	. 952	0914	.640	1.137	.869	.788	.774	.924	
2	.660	1 . 185	.895	6815	.833	1.020	a 947	.660	1.217	. 928	. 816	.817	4990	
T I	•680	1.194	• 964	.875	.893	1.109	•973	.680	1.231	1.022	. 867	.860	1.065	
Upper Upper	•690	1.221	•985	•892	.911	1.227	1.015	.690	1.256	1.041	. 873	. 896	1.157	•
Lower	.560		1.561	1.363	100			•560 •580		1.642	1.423			
3.	•580		1.556	1.425	1.335	1.474	1.243	• 580		1.658	1.435	1.341	1.451	10
rer	•600 •620		1.598	1.449	1.348	1.429	1.260	•620		1.666	1.465	1.360	1.435	10
On	•640		1.585	1.370	1.289	1.169	1.337	0640		1 657	1.433	1.381	1.329	10
Н	•660		1.468	1.153	1.160	1.109	1.309	. 660		1.532	1.271	1.268	1.243	10
	•680		1.095	0929	1.030	1.247	1.103	.680		1.213	• 966	1.033	1.156	10
	•690		1.095	•913	• 998	1.247	1.103	. 690		10152	. 889	• 942	1.197	10
	•560		1.055	1.011	1.054	1.183	1.193	.560		1.144	• 962	1.036	1.060	
H	•580		1.278	1.116	1.141	1.270	1.230	.580 .600		1.410	1.099	1.279	1.214	10
per	•620		1.314	1.235	1.195	1.263	1.204	.620		1.326	1.206	1.189	1.223	1.
· O.1	•640		1.230	1.112	1.123	1.197	1.132	.640		1.263	1.120	1.067	1.132	10
	•660		.897	.860	.892	1.047	.938	• 660		• 928	. 826	ه 796	•909	
Ul	.680 .688		.635 .584	•690 •660	•759 •744	.919 .885	•720 •665	.680 .688		• 662 • 606	. 606 . 554	.693 .687	• 756 • 737	
Ver	•560	1.570	2.657 2.718	1.631	1.620	1.859	1.498	• 560 • 580	1.542	2.700	1.631	1.585	1.522	10
Te.	•580 •600	1.502	2.844	1.667	1.610	1.752	1.528	.600	1.464	2 953	1.697	1.583	1.511	10
ower	•620	1.501	2.699	1.689	1.578	1.680	1.508	.620	1.467	2.717	1.737	1.586	1.508	10
TON	.640	1.489	2.200	1.697	1.572	1.648	1.501	. 640	1.450	1.921	1.764	1.590	1.502	10
H	. 660	1.493	1.473	1.722	1.549	1.596	1 496	.660	1.461	1.027	1.813	1.585	1.499	10
	.680	1.514	1.141	1.719	1.539	1.573	1.476	.680	1.496	1 888	1.822	1.591	1.490	10
	.688	1.178	.964	1.705		1.553	1.490	o 688				1.583	1 0 495	10

TABLE 15 .- PRESSURE COEFFICIENTS - Continued

 $\delta_{\rm S} = -0.060 \, \text{c}; \, \delta_{\rm d} = -0.04500 \, \text{c}$ 

T		1		coefficient	t Cp at	<u>y</u> = -			P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.9
-	- /		0.00	0.00			0,01	-						
	.000	.303	•527	.475	•785	1.066	.434	.000	.287	.320	.160	.430	.464	.3
	.010	1.292	1.212	•983	.737	.662	.704	.010	1.723	1.714	1.514	1.175	1.186	1.0
	.030	1.170	1.151	1.006	.868	.849	.866	.030	1.397	1.416	1.292	1.129	1.103	1.0
	.050	1.178	1.123	1.012	.896	.890	•912	.050	1.355	1.315	1.224	1.083	1.095	1.0
	.075	1.107	1.106	1.007	•921	.920	.939	.075	1.254	1.257	1.175	1.072	1.088	1.0
-	.100	1.113	1.102	1.020	.933	. 936	•958	.100	1.236	1.243	1.160	1.068	1.066	1.0
	.150	1.115	1.086	1.004	.948	. 964	.967	. 150	1.221	1.184	1.113	1.050	1.066	09
	.200	1.098	1.069	.987	.938	.952	• 965	• 200	1.187	1.144	1.072	1.021	1.025	
	.250	1.111	1.047	.960	.917	.941	• 958	. 250	1.187	1.112	1.031	• 989	• 994	89
	.300	1.082	1.032	.949	•900	. 935	• 952	• 300	1.153	1.091	1.008	. 956	•964 •954	
Oppor	.350	1.081	1.001	.903	.873	• 926	.945	. 350 . 400	1.140	. 992	.952 .887	.854	.890	
24	.400	1.073	.946	.851	.815	.872	.916	. 450	1.129	.904	.799	.786	.837	. 8
5	.450	1.050	.873	.767	.765	.823 .707	.894	.500	1.090	.764	.690	.670	.719	
	.500	1.044	•730	•662	•642		.820 .787	.520	1.067	.703	.653	.646	•668	
1	.520	1.021	•654	•608 •553	.613 .559	•642 •640	.741	.538	1.096	. 646	.622	.613	.658	
	.538	1.051	•572	1.549	1.399	1.994	1.405	.710	1.323	2.188	1.547	1.395	1.979	1.
	.710	1.287	2.175	1.548	1.401	2.099	1.410	.720	1.349	2.189	1.547	1.397	2.070	1.3
	.720	1.313	2.221	1.549	1.412	2.424	1.417	.740	1.366	2.219	1.546	1.406	2.411	103
	.740	1.327	2.193	1.548	1.418	2.165	1.416	.760	1.356	2.195	1.546	1.412	2.146	1.
	.760	1.316	2.106	1.546	1.421	1.737	1.409	.780	1.362	2.121	1.546	1.415	1.720	1.
	.800	1.274	2.064	1.548	1.428	1.455	1.404	.800	1.308	2.085	1.547	1.420	1.447	1 .:
-	.850	1.212	1.716	1.542	1.437	1.293	1.379	.850	1.238	1.755	1.539	1.431	1.282	1.
	.950	1.121	1.329	1.450	1.362	1.258	1.260	. 950	1.135	1.353	1.464	1.388	1.262	1.
	1.000	1.139	•567	1.032	1.326	1.265	1.151	1.000	1.137	. 569	1.164	1.363	1.270	1.
	.010	.916	1.043	1.238	1.497	1.586	1.494	.010	.669	.740	. 843	1.066	1.074	1.
	.030	.932	1.075	1.218	1.363		1.343	.030	.760	. 848	.956	1.089		1.
	.050	. 957	1.085	1.203	1.315	1.396	1.243	.050	.815	.902	.997	1.099	1.140	1.
	.075	.973	1.106	1.267	1.274	1.246	1.192	.075	.857	. 959	1.095	1.101	1.050	1.
	.100	1.002	1.128	1.202	1.294	1.423	1.160	.100	.899	1.003	1.056	1.147	1.366	1.
	.150	1.093	1.205	1.265	1.249	1.203	1.114	. 150	. 997	1.106	1.146	1.139	1.078	1.
	.200	1.073	1.250	1.213	1.248	1.227	1.110	.200	.993	1.161	1.123	1.161	1.131	1.
	.250	1.098	1.257	1.244	1.253	1.202	1.089	. 250	1.030	1.180	1.163	1.183	1.124	1.
	.300	1.210	1.296	1.276	1.226	1.191	1.076	.300	1.148	1.226	1.207	1.167	1.131	1.
H	.350	1.268	1.330	1.244	1.210	1.178	1.063	. 350	1.214	1.269	1.190	1.172	1.135	1.
Ne Ne	.400	1.319	1.384	1.297	1.186	1.154	1.053	. 400	1.266	1.334	1.254	1.152	1.121	
Ower	.450	1.376	1.327	1.210	1.161	1.129	1.037	. 450	1.330	1.286	1.179	1.140	1.101	1.
-1	.500	1.379	1.359	1.190	1.107	1.091	1.007	.500	1.341	1.332	1.170	1.099	1.085	
	.520	1.378	1.398	1.194	1.105	1.092	1.015	• 520	1.341	1.381	1.180	1.101		1.
	.540	1.403	1.483	1.250	1.167	1.180	1.071	• 540	1.369	1.478	1.250	1.170	1.450	1.
	.710	1.376	.777	1.748	1.572	1.474	1.329	• 710	1.360	• 753		1.579	1.443	1.
1	.740	1.314	•925	1.813	1.572	1.467	1.342	.740	1.290	.915 .983	1.777	1.565	1.436	1.
	.760	1.279	•995	1.809	1.565	1.463	1.343	.760 .780	1.260	1.011	1.675	1.552	1.419	1.
	.780	1.284	1.027	1.734	1.554	1.451	1.343	.800	1.269	1.008	1.582	1.513	1.406	1.
	.800	1.238	1.019	1.654	1.532	1.440	1.332	.850	1.188	1.103	1.349	1.405	1.341	1.
	.850	1.200	1.114	1.436	1.440	1.379	1.278	.900	1.174	1.123	1.170	1.324	1.285	1.
-	.900 .950	1.182	1.130	1.238	1.369	1.258	1.204	. 950	1.151	1.131	1.151	1.283	1.243	1.
								.560	1.127	.610	.607			
	.560	1.081	•535	•540	•602	.681	.783	•580	1.131	.677	.642	.621	.676	
H.	.580	1.086	•650	.615	.667	.768	.834	.600	1.163	.753	.697	.679	.756	
pper	.600	1.154	• 740	•684	.707	.830	.871	.620	1.197	.835	.749	.715	.822	
5	620	1.172	.830 .892	•745 •787	.751	.917	.898	. 640	1.217	.901	.792	.753	.906	
	.640 .660	1.173	.950	.816	.785	.977	.920	. 660	1.290	.989	.824	.792	.969	
	.680	1.265	1.038	.859	.819	1.052	.940	.680	1.301	1.049	.866	.822	1.039	
	.690	1.288	1.049	.855	.842	1.136	.963	.690	1.325	1.056	.860	.839	1.116	
	. 540		1.704	1.430				.560		1.730	1.448			
	•560 •580		1.713	1.447	1.338	1.447	1.243	.580		1.738	1.466	1.361	1.443	10
1e	.600		1.726	1.479	1.358	1.444	1.267	.600		1.754	1.499	1.384	1.457	10
Lower	.620		1.745	1.519	1.394	1.429	1.300	.620		1.775	1.542	1.421	1.458	10
0	.640		1.727	1.474	1.392	1.381	1.360	o 640		1.747	1.495	1.420	1.410	1
니	.660		1.540	1.278	1.250	1.281	1.382	.660		1.522	1.274	1.257	1.268	10
	.680		1.173	•900	•952	1.131	1.181	. 680		1.150	. 883	.932	1.091	10
	.690		1.142	.847	.863	1.156	1.055	.690		1.146	.851	. 848	1.127	
	. 540		1,210	.002	1.030	1.033	.914	.560		1.256	1.013	1.051	1.044	
	•560 •580		1.219	.983 1.118	1.110	1.205	1.066	.580		1.430	1.139	1.124	1.216	1
er	•600		1.469	1.249	1.263	1.275	1.134	.600		1.488	1.262	1.278	1.282	1
do	•620		1.275	1.218	1.175	1.223	1.113	.620		1.285	1.231	1.186	1.228	1
5	.640		1.290	1.136	1.047	1.120	1.024	0 640		1.294	1.140	1.056	1.132	
	.660		.949	.831	.773	.887	.805	.660		. 950	.843	.780	.887	
Upper	.680		.694	.622	.682	.728	.643	. 680		.703	.654 .597	.691 .687	•738 •733	
	•688		•649	.568	.680	.717	•621	.688		.658	.541	100/		
	.560	1.515	2.619	1.608	1.553	1.472	1.322	• 560 • 580	1.489	2.537	1.576	1.548	1.450	1
	•580	1.444	2.708	1.636	1.556	1.474	1.317			2.590	1.602	1.551		1
wer	•600		2.857		1.556	1.476	1.318	•600		2.709	1.637		1.451	
ower	•620		2.557	1.714	1.555	1.476	1.322	• 620		2.417	1.681	1.554	1.455	1
n	.640		1.660	1.749	1.561	1.474	1.325	• 640		1.560	1.716	1.562	1.451	10
	•660		1.034	1.809	1.560	1.474	1.326	• 660		• 980	1.773	1.573	1.451	1
	•680		.968 .845	1.822	1.570	1.474	1.328	• 680 • 688		. 935	1.792	1.573	1.450	1
	.688					1.474			1.133	.819	10014			

TABLE 15 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{\rm S} = -0.060_{\rm C}; \ \delta_{\rm d} = -0.04500_{\rm C}\right]$ 

			α	, = 4 <sup>0</sup>		A 115					x = 6°		1	
	/-		Pressure	coefficient	t Cp at	$\frac{y}{b/2} = -$		x/c	P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	X/C	0.15	0.30	0.50	0.70	0.85	0.97
	-		201	270	420	•321	•542	.000	• 965	.690	.386	•742	•373	•704
	.000 .010	.594 2.252	.394 2.261	.270 1.712	.638 1.769	1.866	1.521	.010	3.668	2.720	1.732	1.581	1.615	1.578
	.030	1.702	1.890	1.611	1.512	1.394	1.257	• 030	1.785	2.535	1.696	1.541	1.441	1.369
	•050 •075	1.561	1.604	1.551	1.376	1.302	1.167	.075	1.570	1.638	1.655	1.469	1.365	1.267
	•100	1.367	1.387	1.368	1.235	1.190	1.080	.100	1.519	1.514	1.595	1.409	1.258	1.098
	•150	1.326	1.283	1.235	1.165	1.086	1.039	•150 •200	1.446	1.397	1.475	1.243	1.197	1.055
	•200	1.273	1.232	1.108	1.050	1.033	•990	• 250	1.342	1.308	1.268	1.185	1.144	1.009
	•300	1.215	1.157	1.064	1.008	1.001	• 964	• 300	1.288	1.261	1.190	1.127	1.061	.991
1 SI	•350	1.195	1.042	1.002 .936	.950 .886	.963 .893	•945 •903	• 350	1.237	1.129	1.046	1.028	1.016	.959
Upper	•450	1.147	.964	.863	.828	. 8,32	.858	. 450	1.202	1.046	.982	.990	.972 .925	.928 .869
	•500	1.137	.844	•788	•745 •732	.755 .723	•790 •771	•500	1.190	.946	.924	.931	•905	.844
	•520 •538	1.107	•793 •742	•755 •725	.716	.732	•755	.538	1.186	.870	.872	.912	.919	.815
	.710	1.338	2.186	1.541	1.375	1.887	1.343	•710	1.374	2.198	1.543	1.355	1.742	1.287
	•720	1.365	2.186	1.542	1.377	1.971 2.276	1.354	•720	1.405	2.197 2.219	1.541	1.363	2.025	1.304
	•740	1.366	2.192	1.539	1.391	2.107	1.367	.760	1.392	2.206	1.541	1.374	1.975	1.315
	.780	1.369	2.120	1.543	1.394	1.725	1.359	.780 .800	1.389	2.130	1.542	1.378	1.722	1.325
Surface	•800 •850	1.318	2.084	1.543	1.400	1.461	1.347	.850	1.268	1.742	1.547	1.399	1.319	1.252
urf	• 950	1.134	1.360	1.467	1.376	1.255	1.193	• 950	1.152	1.355	1.471	1.377	1.248	1.169
52	1.000	1.132	•569	1.235	1.360	1.255	1.179	1.000	1.142	.569	1.278	1.354	1.241	1.159
Wing	•010	• 463	•550	•629	•676	•729	.828	.010 .030	• 322 • 476	• 442 • 558	.511 .649	•580 •708	. 624	.686 .840
-	•030 •050	.598 .678	.677 .753	•771 •841	.802 .875	.937	•955 •967	.050	.570	. 642	.729	.808	.832	.885
	.075	.741	.829	.926	•903	.906	.993	.075	.646	•720	.806	.819	.837 1.196	•936 •963
1	•100	. 791	.884	.939 1.044	1.005	1.208 .978	1.009	•100 •150	.709 .820	• 783 • 892	.841 .939	.877 .933	.933	.983
	•150	•901	1.072	1.023	1.042	1.045	1.035	.200	.844	.978	. 950	.975	.993	1.002
	.250	. 954	1.096	1.084	1.073	1.060	1.028	• 250	.896	1.029	1.014	1.019	1.009	1.004
	•300 •350	1.071	1.151	1.136	1.089	1.074	1.027	• 350.	1.100	1.140	1.075	1.056	1.049	1.011
Lower	•400	1.199	1.275	1.202	1.097	1.084	1.020	• 400	1.150	1 . 223	1.160	1.058	1.056	0987
3	•450	1.271	1.235	1.136	1.097	1.075	1.006 .986	• 450	1.226	1.196	1.105	1.055	1.036	.971
	•500 •520	1.290	1.356	1.165	1.073	1.064	.991	• 520	1.252	1.338	1.153	1.071	1.047	•981
	•540	1.321	1.468	1.248	1.155	1.164	1.043	•540	1.286	1.459 .720	1.245	1.164	1.401	1.027
	•710	1.318	.737 .898	1.654	1.566	1.421	1.285	.740	1.233	.887	1.634	1.524	1.382	1.244
	.760	1.229	.964	1.680	1.532	1.404	1.280	.760	1.208	• 952	1.589	1.478	1.372	1.235
	•780	1.234	•996 •996	1.590	1.494	1.388	1.248	.780 .800	1.214	.984	1.489	1.354	1.332	1.213
	.800 .850	1.163	1.090	1.250	1.295	1.301	1.183	.850	1.154	1.071	1.167	1.216	1.254	1.151
	•900	1.152	1.112	1.106	1.223	1.250	1.137	•900	1.147	1.096	1.057	1.154	1.206	1.108
	•950	1.135	1.127		10217	10217	10137							
	•560 •580	1.161	.690 .764	•715 •753	•705	.729	.745	•560	1.207	. 829 . 868	. 863 . 875	6887	.906	.798
er	•600	1.192	.817	.785	.734	.771	.787	.600	1.233	.902	.888	.894	•920	•825 •843
e: Upper	•620	1.227	.883	.816 .836	•756 •786	.823 .891	.827 .865	• 620 • 640	1.265	.956	.903 .910	.893 .896	• 942 • 968	. 860
ace	•640	1.241	•935	.859	.813	.955	.890	•660	1.346	1.040	.918	.907	1.003	.880
surface:	•680	1.322	1.063	.895	.836	1.028	.919	.680 .690	1.358	1.099	.937 .924	.909 .905	1.034	.893 .905
	•690	1.347	1.074	.887	.847	1.092	•930		10311					
Spoiler	•560		1.723	1.454	1.360	1.421	1.209	•560 •580		1.724	1.459	1.375	1.409	1.183
Spo	•580 •600		1.730	1.472	1.387	1.421	1.217	4600		1.753	1.503	1.397	1.420	1.187
Si	•620		1.773	1.546	1 . 428	1.439	1.230	.620		1.777	1.543	1.436	1.427	1.205
L	•640		1.509	1.503	1.419	1.395	1.251	.640 .660		1.511	1.289	16239	1.225	1.145
	•680		1.143	.890	•908	1.076	•982	• 680		1.160	.918	. 933	1.035	.961
	•690		1.152	.875	۵845	1.112	.944	. 690		1.176	•903	.886	1.089	•913
	•560		1.283	1.036	1.071	1.048	995	• 560 • 580		1.312	1.059	1.106	1.057	1.040
H	•580 •600		1.436	1.266	1.125	1.200	1.037	.600		1.492	1.276	1.287	1.262	1.059
pper	•620		1.285	1.242	1.176	1.216	1.022	• 620		1.289	1.259	1.188	1.209	1.001
ace	•640		1.290	1.125	1.055	1.126	•917 •714	. 640 . 660		1.290 .950	1.113	1.054	1.110	•900
surface: Uppe	•660 •680		•947 •705	.845 .677	•699	.739	•599	. 680		.715	.689	.705	.738	.592
r SI	•688		.665	•620	•692	.722	•582	. 688		.673	•650	.703	.729	•577
lector	•560	1.437	2.421	1.533	1.511	1.425	1.273	• 560 • 580	1.399	2.302	1.490	1.480	1.392	1.248
	•580 •600	1.373	2.562	1.585	1.518	1.424	1.276	.600		2.411	1.536	1.490	1.395	1.250
Defl	•620	1.366	2.255	1.634	1.524	1.425	1.280	.620	1.333	2.105	1.586	1.508	1.394	1.252
Lo	•640 •660	1.353	1.430 .931	1.662	1.534	1.421	1.281	. 640 . 660	1.321	1.340 .910	1.617	1.508	1.394	1.246
	•680	1.422	•907	1.740	1,556	1.419	1.282	.680	1.390	.890	1.673	1.537	1.396	1.244
14	. 688	1.123	•797	1.756	1,549	1.424	1.278	. 688	1.129	. 785	1.694	1.529	1.391	10242
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TABLE 15.- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{\rm S} = -0.060\,\mathrm{c};\; \delta_{\rm d} = -0.04500\,\mathrm{c}\right]$ 

-			Pressure o	= 8°	C <sub>n</sub> at	У					cefficient	C <sub>n</sub> at	<u>y</u> = _	
	x/c					$\frac{y}{b/2} = -$		x/c·	_			1	b/2	
_		0.15	0.30	0.50	0.70	0.85	0.97		0.15	0.30	0.50	0.70	0.85	0.97
	.000 .010 .030 &050 .075 .100	1.542 4.480 2.235 1.959 1.727 1.649 1.544	.782 2.367 2.318 2.278 2.255 2.258 2.248	.485 1.730 1.711 1.704 1.696 1.680 1.650	.847 1.530 1.520 1.519 1.520 1.503 1.481	.543 1.419 1.418 1.419 1.418 1.398 1.366	.947 1.676 1.577 1.497 1.341 1.253	.000 .010 .030 .050 .075 .100	1.602 3.846 3.885 3.486 2.530 2.018 1.699	1.033 2.356 2.319 2.299 2.282 2.275 2.314	.691 1.802 1.790 1.787 1.783 1.777	1.024 1.544 1.534 1.540 1.540 1.535 1.532	•712 1•401 1•411 1•413 1•417 1•416 1•409	.966 1.460 1.427 1.391 1.344 1.326 1.301
Upper	.200 .250 .300 .350 .400	1.462 1.421 1.363 1.332 1.302 1.262	2.012 1.734 1.503 1.331 1.207	1.618 1.586 1.537 1.475 1.400 1.330	1.436 1.402 1.370 1.323 1.278 1.240	1.333 1.304 1.273 1.247 1.228 1.208	1.142 1.119 1.104 1.083 1.047 1.022	.200 .250 .300 .350 .400	1.570 1.513 1.442 1.407 1.379 1.340	2.246 2.100 1.913 1.712 1.545 1.395	1.749 1.736 1.722 1.691 1.643 1.592	1.527 1.519 1.514 1.498 1.472 1.448	1.399 1.394 1.396 1.390 1.379 1.368	1.303 1.304 1.298 1.292 1.273 1.261
n	.500 .520 .538 .710 .720	1.243 1.215 1.234 1.382 1.395	.959 .895 .821 2.160 2.160 2.172	1.259 1.246 1.235 1.516 1.516	1.157 1.195 1.183 1.358 1.359 1.363	1.180 1.172 1.163 1.422 1.445	.929 .894 .846 1.255 1.262 1.267	•500 •520 •538 •710 •720 •740	1.318 1.294 1.305 1.391 1.399 1.405	1.227 1.188 1.151 2.165 2.170 2.219	1.528 1.499 1.482 1.524 1.526 1.530	1.385 1.413 1.403 1.372 1.368 1.372	1.347 1.341 1.325 1.357 1.368 1.375	1.230 1.204 1.193 1.266 1.271
Surface:	.760 .780 .800 .850 .950	1.394 1.391 1.344 1.269 1.142 1.123	2.152 2.091 2.054 1.711 1.306 .572	1.526 1.527 1.536 1.552 1.449 1.292	1.370 1.376 1.382 1.403 1.386 1.354	1.472 1.460 1.446 1.411 1.318 1.301	1.276 1.288 1.288 1.259 1.178 1.164	.760 .780 .800 .850 .950	1.391 1.383 1.339 1.254 1.130 1.120	2.196 2.104 2.024 1.572 1.213	1.538 1.542 1.550 1.570 1.451 1.317	1.379 1.388 1.391 1.411 1.385 1.347	1.384 1.389 1.398 1.403 1.349 1.326	1.286 1.297 1.304 1.292 1.232
Wing	.010 .030 .050 .075 .100 .150	.202 .351 .450 .535 .605 .719	.371 .469 .557 .641 .700 .806	.427 .558 .638 .721 .767 .859	.500 .636 .716 .754 .814 .881	• 542 • 738 • 755 1• 144 • 879 • 943	.622 .776 .840 .903 .935 .962	.010 .030 .050 .075 .100 .150	•134 •259 •359 •449 •520 •638 •700	. 338 . 406 . 487 . 567 . 626 . 735 . 821	.367 .480 .550 .636 .688 .781	.429 .548 .611 .678 .742 .815	.492 .735 .709 1.104 .836	.584 .733 .803 .877 .913
Lower	.250 .300 .350 .400 .450	.819 .940 1.025 1.080 1.157 1.183	.950 1.022 1.082 1.171 1.155 1.245	.958 1.015 1.029 1.119 1.073 1.117	.973 1.004 1.032 1.042 1.069 1.067	.975 1.003 1.026 1.039 1.040 1.040	.990 .998 1.001 .997 .986 .977	• 250 • 300 • 350. • 400 • 459 • 500	.766 .868 .958 1.018 1.100 1.130	.876 .954 1.022 1.115 1.110 1.210	.898 .962 .985 1.077 1.054 1.115	.928 .964 1.004 1.024 1.061 1.084 1.127	.942 .983 1.011 1.028 1.036 1.044 1.071	1.011 1.020 1.031 1.037 1.027 1.027
	.540 .710 .740 .760 .780 .800 .850 .900	1.225 1.238 1.183 1.162 1.173 1.140 1.120 1.117	1.456 .708 .868 .938 .971 .964 1.056 1.079	1.255 1.514 1.528 1.464 1.357 1.251 1.075 1.015	1.212 1.528 1.475 1.402 1.333 1.245 1.128 1.106 1.164	1.169 1.441 1.389 1.361 1.322 1.286 1.209 1.178 1.186	1.025 1.221 1.218 1.214 1.207 1.198 1.153 1.124 1.110	.540 .710 .740 .760 .780 .800 .850 .900	1.173 1.193 1.144 1.128 1.140 1.106 1.094 1.097 1.098	1.433 .689 .855 .918 .951 .943 1.035 1.056	1.290 1.420 1.385 1.308 1.205 1.117 1.013 1.018	1.271 1.465 1.356 1.249 1.173 1.099 1.045 1.080 1.149	1.196 1.415 1.337 1.294 1.255 1.217 1.159 1.152 1.183	1.086 1.222 1.218 1.222 1.222 1.191 1.150
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.244 1.245 1.263 1.286 1.298 1.356 1.367 1.383	•732 •827 •851 •902 •929 •954 1•040	1.213 1.184 1.162 1.139 1.102 1.091 1.071 1.053	1.146 1.143 1.125 1.107 1.093 1.076 1.037	1.146 1.137 1.131 1.121 1.118 1.115	.822 .847 .862 .875 .884 .890	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690	1.308 1.304 1.315 1.327 1.335 1.372 1.377 1.390	1.029 1.082 1.037 1.037 1.027 1.011 1.066 1.053	1.459 1.433 1.416 1.383 1.339 1.324 1.288 1.271	1.382 1.377 1.359 1.339 1.326 1.295	1.308 1.283 1.274 1.255 1.236 1.209 1.191	1.18: 1.16: 1.16: 1.13: 1.12: 1.09:
Spoiler	•560 •580 •600 •620 •640 •660 •680 •690		1.746 1.758 1.782 1.815 1.759 1.478 1.099	1.483 1.499 1.525 1.565 1.526 1.308 .958	1.440 1.460 1.496 1.490 1.320 1.023	1.433 1.437 1.437 1.385 1.209 .996 1.073	1.164 1.172 1.195 1.228 1.136 .938 .896	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690		1.726 1.727 1.782 1.820 1.712 1.424 1.113 1.138	1.561 1.567 1.580 1.619 1.584 1.361 1.050	1.540 1.553 1.586 1.582 1.422 1.132	1.473 1.477 1.492 1.425 1.220 1.002	1.22 1.23 1.24 1.26 1.18 1.02
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •688		1.363 1.475 1.513 1.306 1.291 .953 .736	1.113 1.175 1.299 1.278 1.107 .847 .707	1.202 1.206 1.348 1.245 1.098 .818 .746 .739	1.085 1.217 1.274 1.217 1.108 .876 .742	1.067 1.025 1.052 .996 .894 .700 .598	.560 .580 .600 .620 .640 .660		1.392 1.478 1.503 1.298 1.264 .934 .775	1.226 1.235 1.359 1.325 1.136 .864 .749	1.344 1.308 1.446 1.321 1.156 .861 .792 .788	1.138 1.253 1.311 1.247 1.138 .893 .762 .760	1.20 1.09 1.10 1.03 .92 .72 .62
Deflector Lower	.560 .580 .600 .620 .640 .660 .680	1.274 1.279 1.265 1.283 1.332	2.166 2.200 2.242 1.923 1.250 .890 .873	1.432 1.460 1.477 1.526 1.558 1.601 1.594 1.612	1.455 1.459 1.464 1.475 1.489 1.499 1.529	1.408 1.404 1.412 1.420 1.428 1.426 1.431	1.242 1.240 1.241 1.241 1.236 1.233 1.227	• 560 • 580 • 600 • 620 • 640 • 660 • 688	1.290 1.235 1.229 1.232 1.219 1.238 1.286 1.099	2.049 2.078 2.081 1.716 1.115 .866 .858	1.382 1.400 1.427 1.479 1.504 1.535 1.508	1.412 1.427 1.434 1.446 1.469 1.471 1.497	1.395 1.405 1.417 1.430 1.443 1.423 1.414	1.24 1.24 1.24 1.23 1.22 1.22 1.22

TABLE 15 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.060 \text{ c}; \delta_{d} = -0.04500 \text{ c}\right]$ 

- 12

a = 14 0

				α = 12 0		. 17					a = 14°		**	
	x/c		Pressure	coefficien	it Cp a	$t \frac{y}{b/2} = -$	-	x/c	F	Pressure c	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
		0.15	0.30	0.50	0.70	0.85	0.97	, 0	0.15	0.30	0.50	0.70	0.85	0.97
g Surface: Upper	.000 .010 .030 .050 .075 .100 .200 .250 .300 .350 .400 .450 .520 .520 .740 .740 .760 .740 .760 .850 .850 .950	1.162 2.683 2.6661 2.6628 2.590 2.2442 2.213 1.924 1.665 1.5491 1.413 1.375 1.336 1.313 1.	1.173 2.287 2.243 2.227 2.224 2.210 2.218 2.216 2.179 2.101 1.984 1.861 1.603 1.574 1.566 2.276 2.316 2.317 2.316 2.317 2.316 2.316 2.317 2.316 2.317 2.316 2.316 2.317 2.316 2.316 2.317 2.316 2.317 2.316 2.316 2.317 2.316 2.316 2.317 2.317	.830 1.832 1.816 1.813 1.811 1.793 1.786 1.788 1.771 1.740 1.777 1.656 1.638 1.510 1.510 1.510 1.520 1.520 1.528 1.539 1.547 1.448	1.192 1.563 1.566 1.565 1.566 1.565 1.571 1.570 1.569 1.5748 1.506 1.530 1.558 1.356 1.357 1.358 1.356 1.357 1.357 1.358 1.364	.898 1.500 1.497 1.504 1.504 1.504 1.514 1.524 1.551 1.551 1.556 1.553 1.556 1.350 1.368 1.368 1.376 1.386 1.386 1.404 1.372 1.350	1.061 1.433 1.418 1.399 1.383 1.374 1.383 1.374 1.396 1.396 1.396 1.343 1.312 1.304 1.273 1.273 1.273 1.284 1.291 1.295	.000 .010 .030 .050 .075 .100 .250 .300 .350 .450 .550 .550 .720 .720 .740 .760 .880 .880 .950	1.107 2.338 2.313 2.312 2.312 2.289 2.2517 2.037 1.873 1.617 1.552 1.492 1.321 1.321 1.321 1.321 1.331 1.331 1.331 1.291	1.286 2.200 2.175 2.175 2.168 2.159 2.158 2.154 2.161 2.039 1.965 1.879 1.851 1.838 2.460 2.485 2.59 3.797 1.518 4.797	. 975 1.879 1.852 1.847 1.832 1.829 1.820 1.812 1.778 1.778 1.778 1.714 1.510 1.510 1.510 1.524 1.524 1.524 1.524 1.525 1.535 1.535	1.449 1.639 1.6541 1.6550 1.655 1.657 1.667 1.667 1.667 1.679 1.678 1.710 1.679 1.679 1.579 1.579 1.384 1.384 1.395 1.372 1.376 1.384 1.395 1.375 1.375	1.009 1.573 1.578 1.578 1.558 1.581 1.580 1.699 1.689 1.670 1.712 1.707 1.684 1.667 1.364 1.364 1.364 1.372 1.386 1.392	1.289 1.460 1.4461 1.4461 1.4461 1.535 1.554 1.557 1.556 1.559 1.530 1.530 1.303 1.303 1.303 1.323 1.323 1.323 1.276 1.234
Lower	.010 .030 .050 .075 .100 .250 .250 .350 .400 .550 .520 .710 .740 .780 .880 .990	.107 .224 .315 .407 .475 .590 .654 .725 .816 .997 .977 1.058 1.091 1.123 1.110 1.125 1.093 1.089 1.095	.331 .373 .446 .520 .581 .686 .773 .831 .909 .979 1.069 1.168 1.249 1.317 .689 .849 .914 .940 1.023 1.023	.353 .438 .511 .589 .637 .737 .788 .653 .946 1.054 1.018 1.108 1.108 1.108 1.204 1.115 1.053 1.000 1.026	.390 .490 .556 .620 .689 .765 .831 .885 .923 .967 1.003 1.043 1.028 1.286 1.286 1.286 1.286 1.286 1.398 1.266 1.156 1.033 1.013	. 428 .732 .652 1.051 .795 .874 .915 .999 1.020 1.048 1.106 1.263 1.253 1.219 1.185 1.181 1.183	.566 .705 .783 .854 .900 .950 .990 1.010 1.027 1.036 1.046 1.055 1.099 1.217 1.222 1.223 1.221 1.216 1.111	.010 .030 .050 .075 .100 .250 .300 .450 .550 .500 .520 .710 .740 .780 .880 .950	.080 .184 .274 .366 .434 .547 .613 .770 .864 .937 1.070 1.105 1.10	. 335 .348 .412 .478 .538 .642 .770 .866 .940 1.044 1.044 1.156 1.239 1.887 .686 .847 .911 .942 .943 1.037	*346 *413 *470 *546 *595 *697 *748 *818 *923 1.022 1.020 1.110 1.127 1.276 1.185 1.101 1.023 984 *994 1.053 1.137	. 375 . 449 . 503 . 573 . 634 . 720 . 789 . 850 . 979 1.031 1.079 1.132 1.307 1.316 1.155 1.051 . 980 1.006	.414 .736 .612 1.013 .763 .893 .985 .987 1.013 1.053 1.088 1.136 1.305 1.269 1.188 1.160 1.115 1.107 1.135	.543 .666 .748 .832 .883 .949 .993 1.020 1.039 1.068 1.076 1.099 1.133 1.227 1.211 1.190 1.130 1.131
surface: Upper	.560 .580 .600 .620 .640 .660 .680	1.332 1.313 1.307 1.305 1.283 1.312 1.298 1.309	1.456 1.470 1.406 1.376 1.324 1.289 1.272 1.250	1.605 1.603 1.593 1.575 1.533 1.524 1.475 1.464	1.511 1.516 1.497 1.475 1.443 1.410 1.384	1.507 1.490 1.473 1.442 1.409 1.368 1.353	1.290 1.268 1.250 1.222 1.197 1.159 1.151	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690	1.445 1.410 1.386 1.368 1.332 1.345 1.324 1.332	1.765 1.781 1.746 1.721 1.680 1.645 1.607 1.581	1.712 1.723 1.723 1.709 1.680 1.664 1.619 1.620	1.668 1.668 1.632 1.587 1.551 1.519	1.603 1.586 1.566 1.531 1.495 1.463	1.508 1.487 1.464 1.418 1.381 1.336
Spoiler	.560 .580 .600 .620 .640 .660 .680		1.686 1.745 1.777 1.776 1.610 1.300 1.103 1.273	1.598 1.598 1.591 1.602 1.563 1.414 1.175 1.281	1.578 1.585 1.607 1.598 1.448 1.172 1.203	1.571 1.576 1.601 1.526 1.259 1.039 1.228	1.242 1.251 1.269 1.292 1.225 1.073	.560 .580 .600 .620 .640 .660 .680		1.766 1.824 1.823 1.812 1.666 1.405 1.274 1.538	1.637 1.636 1.628 1.634 1.597 1.462 1.252 1.379	1.617 1.630 1.654 1.633 1.480 1.209	1.649 1.669 1.704 1.575 1.242 1.040 1.296	1.286 1.311 1.335 1.368 1.339 1.202 1.220
r surface: Upper	.560 .580 .600 .620 .640 .660 .680		1.429 1.429 1.453 1.254 1.212 .894 .755 .736	1.285 1.265 1.376 1.323 1.119 .844 .757 .762	1.339 1.474 1.338 1.168 .876 .813 .804	1.263 1.349 1.407 1.323 1.199 .946 .827 .821	1.245 1.116 1.123 1.047 .939 .734 .640	• 560 • 580 • 600 • 620 • 640 • 660 • 688		1.406 1.487 1.510 1.294 1.235 .915 .800 .783	1.344 1.298 1.408 1.348 1.139 .860 .785	1.476 1.383 1.511 1.372 1.185 .901 .841 .833	1.0374 1.0423 1.0477 1.0389 1.0244 .983 .871 .862	1.343 1.170 1.175 1.102 .995 .783 .682 .663
Deflector Lower	.560 .580 .600 .620 .640 .660 .688	1.255 1.200 1.192 1.196 1.186 1.204 1.252 1.103	2.019 2.066 2.054 1.563 .995 .854 .850	1.344 1.367 1.393 1.444 1.462 1.480 1.443 1.452	1.377 1.392 1.404 1.414 1.435 1.428 1.444	1.401 1.447 1.441 1.445 1.431 1.383 1.357 1.347	1.233 1.233 1.229 1.222 1.214 1.215 1.216	.560 .580 .600 .620 .640 .660 .688	1.222 1.170 1.162 1.164 1.155 1.178 1.228 1.106	1.937 1.958 1.907 1.487 1.009 .856 .849	1.340 1.356 1.384 1.432 1.453 1.453 1.399 1.406	1.358 1.370 1.387 1.397 1.411 1.386 1.391 1.356	1.404 1.436 1.455 1.426 1.389 1.325 1.294 1.280	1.233 1.228 1.224 1.218 1.219 1.224 1.227

TABLE 15 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.060 \, c; \, \delta_{d} = -0.04500 \, c\right]$ 

- 1/4

a = 180

_				coefficient	t Cn at	_ <u>y</u> _ = _			T	ressure c	oefficient	C <sub>p</sub> at	<u>y</u> = -	
	x/c					b/2		x/c					$\frac{y}{b/2} = -$	0.00
		0.15	0.30-	0.50	0.70	0.85	0.97		0.15	0.30	0.50	0.70	0.85	0.9
	.000	1 • 121	1.355	1.083	1.681	1.137	1.392	.000 .010	1.133	1.420	1.225	1.896	1.314	1.5
	.000	1 • 121 2 • 186		1.893	1.723	1.629	1.495	.010	2.073	2.067	1.944	1.815	1.688	1.5
	•030 •050	2.190	2.125	1.866	1.732	1.632	1.499	.050	2.080	2.051	1.941	1.823	1.689	1.5
	•075	2.204	2.133	1.860	1.737	1.632	1.506	•075	2.092	2.056	1.939	1.828	1.692	1.5
	•100	2 199	2.136	1.850	1.732	1.630	1.509	•100	2.101	2.060	1.933	1 . 825	1.688	105
	•150	2.189	2.130	1.845	1.740	1.644	1.526	• 150 • 200	2.104	2.060	1.928	1.836	1.721	106
	·200	2.181	2.125	1.838 1.834	1.746	1.659	1.584	.250	2.094	2.060	1.933	1.858	1.747	100
	.300	2.081	2.123	1.828	1.781	1.715	1.614	• 300	2.075	2.062	1.934	1.883	1.773	1.6
54	.350	1.973	2.102	1.823	1.810	1.747	1.653	. 350	2.044	2.056	1.937	1.900	1.800	107
be	.400	1.882	2.073	1.820	1.836	1.781	1.673	• 400	2.012	2.046	1.939	1.914	1.818	10
Upper	•450 •500	1.789	2.026	1.820	1.844	1.771 1.739	1.658	.500	1.949	1.994	1.910	1.854	1.761	10
	•520	1.695	1.947	1.786	1.781	1.720	1.620	• 520	1.921	1.980	1.898	1.839	1.751	10
	.538	1.692	1.933	1.764	1.752	1.649	1.594	• 538	1.929	1.965	1.875	1.815	1.684	100
	•710	1 . 443	2.397	1.508	1.385	1.377	1.326	• 710	1.639	2.191	1.533	1.415	1.400	103
	•720	1 . 455	2.431	1.506	1.383	1.377	1.322	• 720	1.604	2 • 226 2 • 348	1.544	1.412	1.407	103
	•740	1 • 445	2.643	1.513	1.389	1.387	1.328	.760	1.557	2 • 346	1.551	1.427	1.415	1.03
	•760 •780	1.420	2.090	1.521	1.401	1.403	1.338	.780	1.538	2.173	1.556	1.435	1.419	103
	.800	1.387	1.915	1.531	1.409	1.408	1.339	.800	1.491	2.023	1.566	1.439	1.429	103
	.850	1.350	1.622	1.530	1.420	1.422	1.349	. 850	1.420	1.676	1.565	1.450	1.440	103
	•950	1.248	.565	1.454	1.399	1.394	1.294	1.000	1.255	1.439 .567	1.396	1.407	1.399	10
	1.000	1.198	. 202	1.358	10010	10313	14271	1						
	.010	• 064	.342	•347	•371	.404	•535	•010	.040	· 349	.371	· 383	.400	0
	•030 •050	• 154 • 241	.333	•383 •435	• 422 • 472	.726	.651 .734	• 050	.207	.360	.411	. 443	.674	
	.075	• 329	. 450	a504	.532	.574	.820	.075	.292	0412	. 474	.500	.538	
	.100	• 398	.504	.554	•598	.979	.876	.100	.363	. 463	.521	.562	0939	
	.150	.510	.604	.659	.685	.730	• 945	• 150	• 476	.560	•622	0649	• 689	
	•200	•578	.691	•709	•756	.815 .868	.998 1.021	• 200 • 250	.540 .614	o 646	.680 .756	•725 •793	.777 .830	1.
	• 250 • 300	• 649 • 738	.754	•784 •850	.822 .869	.918	1.048	• 300	•705	• 786	.830	.840	.887	1.
	a350	• 829	.907	.893	.919	. 965	1.068	. 350	.801	. 865	.878	.902	.939	1.0
Lower	.400	.904	1.012	.990	. 965	1.002	1.084	.400	.874	.978	. 996	0953	.981	1.
NO.	.450	.989	1.027	1.007	1.024	1.043	1.081	. 450	. 961	. 996	1.008	1.024	1.031	1.
니	.500	1.029	1.152	1.110	1.085	1.097	1.092	•500 •520	1.008	1.265	1.129	1.099	1.096	1.
	•520	1.046	1.251	1.177	1.150	1.148	1.110	•540	1.060	1.483	1.405	1.368	1.373	1.
	•540 •710	1.079	1.428 .688	1.354 1.173	1.336	1.194	1.253	.710	1.118	0697	1.039	.989	1.123	1.
	.740	1.090	.843	1.062	1.036	1.127	1.240	.740	1.083	. 836	.950	.907	1.056	10
	.760	1.083	.908	•990	.976	1.108	1.222	•760	1.080	.903	• 927	•907	1.058	1.
- 1	•780	1.105	.944	•940	• 957	1.089	1.194	• 780 • 800	1.079	• 938 • 940	•908 •935	· 925	1.046	10
	.800 .850	1.075	.942 1.041	•938	.954 1.007	1.082	1.169	.850	1.088	1.046	1.016	1.019	1.079	1.
	1900	1.101	1.087	1.067	1.083	1.128	1.101	. 900	1.119	1.101	1.106	1.106	1.129	1.0
	•950	1.123	1.127	1.159	1.166	1.194	1.145	• 950	1.151	1.158	1.204	1.187	1.201	10
	. 5 4 0	1 (5)	1 070	1.745				.560	1.899	1.938	1.869			
	•560 •580	1.654	1.878	1.765	1.734	1.655	1.597	•580	1.872	1.938	1.879	1.800	1.701	1.
er	.600	1.591	1.872	1.781	1.729	1.635	1.580	.600	1.840	1.938	1.875	1.795	1.690	1.
Upper	.620	1.565	1.860	1.768	1.687	1.626	1.550	•620	1.810	1.926	1.860	1.778	1.689	10
	•640	1.527	1.830	1.741	1.650	1.598	1.506	• 640 • 660	1.770	1.904	1.825	1.767	1.690	10
13	•660 •680	1.518	1.760	1.726	1.624	1.582	1.427	.680	1.710	1.856	1.792	1.765	1.696	1.
suriace	.690	1.488	1.744	1.685	1.601	1.573	1.446	e 690	1.702	1 . 847	1.798	1.740	1.700	10
				1 (0)				•560		1.905	1.773			
777	•560 •580		1.826	1.694	1.673	1.710	1.322	0580		1.924	1.779	1.738	1.771	1.
sr oponier	•600		1.868	1.684	1.685	1.733	1.349	.600		1.930	1.793	1.751	1.801	1.
Lower	.620		1.857	1.694	1.711	1.773	1.378	• 620		1 924	1.756	1.786	1.838	1.
3	•640		1.716	1.642	1.692	1.606	1.201	.640 .660		1.784	1.470	1.567	1.187	1.
	•660 •680		1.474	1.465	1.522	1.051	1.381	.680		1.418	1.204	1.262	1.082	1.
	•690		1.690	1.422	1.307	1.359	1.286	.690		1.778	1.455	1.356	1.440	1.
			610000					.560		1.617	1.479	1.626	1.526	1.
	•560 •580		1.492	1.391	1.549	1.448	1.400	•580		1.637	1.416	1.496	1.536	1.
F	•600		1.561	1.450	1.561	1.521	1.207	.600		1.629	1.536	1.629	1.574	1.
ope	•620		1.328	1.376	1.420	1.426	1.126	.620		1 . 383	1.461	1.479	1.466	10
35	.640		1.259	1.165	1.233	1.278	1.013	.640		1.295	1.228	1.281	1.304	10
12	.660		ø932	•878	• 929	1.010	. 805	• 660		• 959 • 889	. 920 . 868	• 959 • 905	.931	
Upper	.680 .688		.841 .833	.814 .815	.870	.904 .889	.696 .681	. 680 . 688		• 889 • 883	. 865	. 894	0931	
7.	.000		,055	*013		.009								
CCC	•560	1.140	1 . 843	1.323	1.369	1.423	1.237	• 560 • 580	1.177	1.724	1.355	1.427	1.440	10
r Lle	•580 •600	10149	1.737	1.343	1.405	1 . 452	1.228	.600	1.128	1.517	1.397	1.450	1.412	1 0
Deflector wer	•620		1.388	1.411	1.399	1.387	1.223	.620	1.135	1.199	1.402	1.375	1.309	10
Def Lower	•640	1.137	1.024	1.410	1.386	1.330	1.224	• 640		• 992	1.361	1.297	1.242	10
H	•660	1.159	.871	1.394	1.322	1.259	1.231	a 660		. 881 . 844	1.297	1.169	1.180	10
		1.210	.850 .751	1.315	1.300	1.228	1.237	688		• 758	1.195	1.074	1.130	10
				1 2 5 5 5	1.262	10211	18631	1 6000	*****	2120				

TABLE 15 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{S} = -0.060 \, c; \, \delta_{d} = -0.04500 \, c\right]$ 

- - 200

a = 220

1.00	T			Pressure		t C <sub>D</sub> at	$\frac{y}{b/2} = -$			P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
		x/c						the same of the same of	x/c	0.15	0.30	0.50			0.
1.00   2.004   2.005   1.076   1.076   1.077   1.077   1.078   1.079   1.078   1.079   1.078   1.079   1.078   1.079   1.078   1.079   1.078   1.079	-		0.10	0.00	0.00	0.1.0									
1.000   2.000   2.000   1.970   1.972   1.893   1.778   1.484   .000   2.000   2.0005   2.0005   1.913   1.820   1.000   .0005   2.0005   2.0005   1.913   1.820   1.000   .0005   2.0005   2.0005   1.913   1.820   1.000		.000			1.325		1.515		• 000		1.647	1.502	2.152	1.620	1.
0.00		.010		2.058	1.976	1.874					2.091				1.
100   2.094   2.095   1.097   1.896   1.779   1.650   1.005   2.106   2.106   2.006   2.131   1.627			2.042		1.970										1.
1.00															1.
1.50									.100		2.107				10
1.00															1.
1.00   1.00			2.071		1.975	1.900									1.
1.000   1.007   1.008   1.007   1.008   1.007   1.008   1.007   1.008   1.007   1.008   1.007   1.008   1.007   1.008   1.007   1.008   1.007   1.008   1.007   1.008   1.007   1.008   1.007   1.008   1.008   1.008   1.007   1.008   1.00			2.078				1.831								14
1.00		.300	2.075		1.981										1
1.500   2.021   2.049   1.931   1.874   1.817   1.764   1.865   1.817   1.865   1.817   1.865   1.817   1.865   1.867   1.86	SH						1.875					2.056			1.
1.500   2.027   2.039   1.931   1.874   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.767   1.817   1.767   1.817   1.817   1.817   1.767   1.81	be											2.043	1.917		1
1.500   2.027   2.039   1.931   1.874   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.764   1.817   1.767   1.817   1.767   1.817   1.817   1.817   1.767   1.81	5											2.015			14
1.00   1.27   1.00   1.27   1.00   1.27   1.00   1.27   1.00   1.27   1.00   1.27   1.00   1.07   1.00														1.861	1
17.00   1.729   2.103   1.529   1.438   1.446   1.399   7.70   1.677   2.131   1.528   1.436   1.446   1.390   7.70   1.677   2.207   1.533   1.438   1.446   1.390   7.70   1.677   2.207   1.533   1.438   1.446   1.390   7.70   1.677   2.209   1.533   1.438   1.446   1.390   7.70   1.677   2.209   1.533   1.438   1.446   1.390   7.70   1.680   2.393   1.461   1.480   1.							1.764			2.028			1.885		1
1.720   1.707   2.131   1.528   1.436   1.446   1.390   7.70   1.690   2.439   1.617   1.480   1.482   1.484   1.490   1.492   7.70   1.691   2.235   1.651   1.482   1.482   1.482   7.70   1.691   2.255   1.594   1.485   1.487   1.488   1.484   1.390   7.70   1.691   2.255   1.594   1.485   1.487   1.488   1.489   1.492   1.500							1 . 446					1.623			1 4
740 1.677 2.209 1.543 1.448 1.466 1.476 1.478 1.490 7.600 1.631 2.257 1.554 1.456 1.478 1.390 7.600 1.631 2.257 1.554 1.456 1.478 1.390 7.600 1.631 2.257 1.554 1.456 1.478 1.390 7.500 1.576 2.076 1.680 1.493 1.500 7.500 1.467 1.478 1.490 1.402 7.500 1.576 2.076 1.680 1.493 1.513 1.500 1.467 1.478 1.490 1.402 7.500 1.576 2.076 1.680 1.493 1.513 1.500 1.277 5.566 1.398 1.457 1.444 1.306 1.402 7.500 1.576 2.076 1.680 1.493 1.513 1.500 1.317 1.507 1.514 1.453 1.449 1.346 7.500 1.576 2.076 1.680 1.493 1.513 1.500 1.317 1.507 1.514 1.453 1.449 1.346 7.500 1.576 2.076 1.680 1.493 1.513 1.500 1.317 1.507 1.514 1.453 1.449 1.346 7.500 1.576 2.076 1.680 1.493 1.513 1.500 1.317 1.507 1.514 1.453 1.449 1.346 7.500 1.576 2.076 1.680 1.493 1.513 1.500 1.317 1.507 1.514 1.453 1.449 1.346 7.500 1.500 1.317 1.507 1.514 1.453 1.449 1.346 7.500 1.300 1.319 5.588 1.456 1.450 1.481 1.450 1.481 1.300 1.319 5.588 1.458 1.458 1.450 1.481 1.450 1.						1.436				1.690	2.439				10
1-600   1-631   2-127   1-554   1-456   1-474   1-386   1-800   1-502   2-208   1-504   1-401   1-400   1-394   1-306   1-502   2-2085   1-504   1-407   1-478   1-407   1-4						1.448			.740		2.635				1
1.613   2.182   1.561   1.461   1.480   1.394   .800   1.552   1.688   1.490   1.522   .805   1.562   2.085   1.569   1.467   1.478   1.490   1.406   .800   1.592   2.095   1.406   1.490   1.522   .805   1.5137   1.507   1.514   1.478   1.440   1.406   .800   1.512   2.095   1.5137   1.507   1.514   1.478   1.444   1.306   1.500   1.319   2.588   1.436   1.408   1.482   1.400   1.301   1.500   1.319   2.588   1.436   1.400   1.481   1.400   1.319   2.588   1.436   1.400   1.481   1.400   1.319   2.588   1.436   1.400   1.481   1.400   1.319   2.588   1.436   1.400   1.481   1.400   1.319   2.588   1.436   1.400   1.481   1.400   1.400   1.400				2.257					.760	1.626					1
1.500   1.562   2.085   1.569   1.467   1.478   1.490   1.402   1.570   1.570   1.571   1.570   1.571   1.478   1.490   1.402   1.402   1.570   1.570   1.571   1.577   1.514   1.453   1.449   1.346   1.580   1.790   1.467   1.572   1.57				2.182											1
1.500   1.464   1.739   1.570   1.478   1.490   1.402   .550   1.500   1.794   1.686   1.502   1.520   1.520   1.522   1.686   1.500   1.737   1.501   1.525   1.453   1.444   1.306   1.500   1.319   .586   1.536   1.572   1.4816   1.482   1.4816   1.481				2.085			1.478	1.393							14
100	3		1.464			1.478	1.490	1.402			1.749				10
100				1.507	1.514	1.453	1.449	1.346							1
1010					1.398	1.437	1.444	1.306	1.000	1.319	.568	1.430	10400	19481	1
0.500	9							5.0	010	.022	- 402	. 422	4411	4432	
0.50	-			.374	•391		.416		.010	-092	297			. 452	
1.00				•304	0357		-645		- 050	.168	4319			+637	
0.75   0.666   0.752					0384				1075	.250					
150														.883	
\$200															
250 -551 -4678 -714 -7758 -804 1.031 -250 -5566 -8400 -6855 -7266 -790 -790 -7756 -785 -811 -800 1.056 -300 -648 -719 -775 -786 -780 -780 -780 -780 -780 -780 -780 -780				-611					.200			.608			
\$ 300 \$ 671 \$ 7756 \$ 785 \$ 811 \$ .860 \$ 1.056 \$ 300 \$ .648 \$ .719 \$ .774 \$ .777 \$ .888 \$ .350 \$ .771 \$ .838 \$ .839 \$ .873 \$ .824 \$ 1.063 \$ .350 \$ .745 \$ .798 \$ .815 \$ .894 \$ .916 \$ .928 \$ .985 \$ .980 \$ 1.007 \$ 1.028 \$ 1.123 \$ .450 \$ .908 \$ .998 \$ .998 \$ 1.007 \$ 1.028 \$ 1.123 \$ .450 \$ .908 \$ .998 \$ .998 \$ .998 \$ 1.007 \$ 1.028 \$ 1.123 \$ .450 \$ .904 \$ .993 \$ .973 \$ .899 \$ 1.007 \$ .988 \$ .990 \$ 1.007 \$ 1.028 \$ 1.123 \$ .450 \$ .904 \$ .993 \$ .973 \$ .989 \$ 1.007 \$ .888 \$ .995 \$ .995 \$ 1.271 \$ .128 \$ .1211 \$ .208 \$ .1212 \$ .450 \$ .904 \$ .995 \$ 1.281 \$ 1.222 \$ .1688 \$ 1.199 \$ .520 \$ .976 \$ 1.281 \$ 1.222 \$ .1688 \$ 1.199 \$ .710 \$ 1.092 \$ .715 \$ .874 \$ .885 \$ 1.046 \$ 1.255 \$ .710 \$ 1.092 \$ .715 \$ .874 \$ .885 \$ 1.046 \$ 1.255 \$ .710 \$ 1.092 \$ .715 \$ .874 \$ .885 \$ 1.046 \$ 1.256 \$ .710 \$ 1.081 \$ .709 \$ .770 \$ .793 \$ .996 \$ .770 \$ .700 \$ .909 \$ .882 \$ .884 \$ 1.084 \$ .740 \$ 1.055 \$ .838 \$ .839 \$ .838 \$ .839 \$ .913 \$ .993 \$ .800 \$ 1.062 \$ .946 \$ .926 \$ .945 \$ .1015 \$ 1.076 \$ .800 \$ 1.081 \$ .940 \$ .949 \$ .935 \$ .910 \$ .990 \$ .880 \$ .990 \$ .908 \$ .990 \$ .900										.556	.640				1.
1950   1.771   1.834   1.839   1.873   1.924   1.083   1.093   1.094   1.096								1.056	• 300	.648		.754			1.
**************************************								1.083		.745					10
**************************************	eı					.933	.973	1.109							1
**************************************	OA	.450		.985	.980	1.007	1.028								1
1.020   1.032   1.041   1.380   1.416   1.235   1.236   1.453   1.485   1.440   1.235   1.004   1.235   1.004   1.235   1.004   1.235   1.004   1.235   1.004   1.235   1.004   1.235   1.004   1.235   1.004   1.235   1.004   1.235   1.004   1.235   1.004   1.235   1.004   1.235   1.004   1.235   1.004   1.005   1.00	H		.979		1.113										1
**************************************		.520										1 453			1
**10 1.092 *.10 *.056 *.402 *.854 *.088 1.108 *.740 1.055 *.838 *.815 *.828 *.953 *.760 1.062 *.909 *.889 *.884 *.1081 *.1081 *.1081 *.760 1.065 *.902 *.889 *.877 *.978 *.800 1.062 *.946 *.945 *.941 *.003 1.013 *.760 1.085 *.941 *.903 *.913 *.993 *.993 *.800 1.062 *.946 *.946 *.945 *.945 *1.015 1.076 *.800 1.062 *.946 *.946 *.949 *.946 *.949 *.913 *.993 *.900 1.117 1.121 1.110 1.117 1.136 1.010 *.900 1.0117 1.121 1.110 1.117 1.136 1.100 *.900 1.117 1.121 1.110 1.117 1.136 1.100 *.900 1.117 1.122 1.1110 1.117 1.136 1.100 *.900 1.123 1.130 1.135 1.118 1.148 *.580 1.990 2.035 1.917 1.856 1.778 1.776 *.950 1.176 1.228 1.243 1.214 1.235 *.580 1.990 2.035 1.917 1.856 1.776 1.770 *.600 1.982 2.027 1.911 1.856 1.776 1.770 *.600 1.891 2.092 1.997 1.885 1.829 *.620 1.934 2.001 1.992 1.859 1.786 1.742 *.640 1.881 2.095 1.992 1.881 1.830 *.620 1.881 1.974 1.882 1.867 1.831 1.775 *.660 1.785 2.047 1.992 1.992 1.888 *.860 1.812 1.974 1.828 1.830 1.835 1.828 1.776 *.660 1.755 2.047 1.992 1.885 1.892 *.690 1.801 1.968 1.803 1.835 1.828 1.776 *.680 1.750 2.047 1.992 1.885 1.892 *.690 1.801 1.968 1.803 1.835 1.828 1.776 *.680 1.750 2.047 1.992 1.885 1.990 *.690 1.801 1.887 1.791 1.808 1.630 1.520 *.640 1.752 2.057 1.982 1.885 1.990 *.660 1.834 1.472 1.388 1.755 1.860 1.493 *.680 1.475 1.888 1.825 1.673 1.488 1.276 1.233 1.405 *.680 1.475 1.888 1.825 1.678 1.890 1.883 1.825 1.570 *.660 1.559 1.467 1.585 1.166 1.497 *.660 1.412 1.1535 1.285 1.278 1.157 *.660 1.750 1.750 1.982 1.885 1.892 *.680 1.421 1.188 1.276 1.123 1.405 *.660 1.404 1.553 1.288 1.285 1.278 1.157 *.660 1.475 1.285 1.288 1.285 1.278 1.157 *.660 1.475 1.285 1.285 1.285 1.290 *.660 1.633 1.476 1.485 1.485 1.485 1.485 1.580 1.485 1.485 1.580 1.485 1.485 1.285 1				1.535								4770			1
**************************************				.715											1
**160 1.092 *945 *887 *914 1.008 1.091 *800 1.095 *941 *903 *913 *993 *800 1.005 *946 *946 *926 *945 *1015 1.076 *800 1.005 *946 *949 *950 1.011 *1010 *1017 1.052 1.016 1.033 1.067 1.008 *800 1.001 *800 1.001 *800 1.011 *1011 1.117 1.113 1.110 1.117 1.136 1.100 *900 1.117 1.121 1.110 1.117 1.136 1.100 *900 1.123 1.130 1.135 1.118 1.148 1.148 *950 1.163 1.195 1.214 1.204 1.223 1.167 *850 1.990 1.213 1.130 1.135 1.118 1.148 1.148 *950 1.163 1.195 1.214 1.204 1.223 1.167 *850 1.990 1.203 1.190 1.902 1.091 1.902 1.856 1.776 1.770 *600 1.891 2.092 1.997 1.885 1.829 *600 1.863 1.998 1.896 1.895 1.898 1.896 1.812 1.974 1.882 1.867 1.831 1.775 *600 1.891 2.092 1.997 1.885 1.829 *600 1.801 1.968 1.880 1.835 1.828 1.776 *600 1.852 2.007 1.992 1.992 1.992 1.885 *1.800 1.801 1.968 1.880 1.835 1.828 1.776 *600 1.752 2.047 1.992 1.992 1.992 1.885 *1.800 1.801 1.968 1.880 1.835 1.828 1.776 *600 1.252 2.047 1.888 1.863 1.835 1.828 1.776 *600 1.752 2.047 1.992 1.992 1.992 1.888 *1.650 1.600 2.040 1.828 1.765 1.880 1.423 *600 1.752 2.047 1.888 1.863 1.890 1.4824 1.993 1.486 *600 2.040 1.828 1.799 1.808 1.890 1.4824 1.993 1.465 *600 1.252 1.844 1.997 *600 1.834 1.472 1.188 1.276 1.123 1.405 *600 1.752 1.838 1.825 1.671 *600 1.778 1.838 1.835 1.836 1.650 1.650 1.650 1.650 1.650 1.834 1.4472 1.388 1.276 1.123 1.405 *600 1.779 1.855 1.600 1.779 1.855 1.600 1.779 1.850 1.600 1.779 1.850 1.600 1.779 1.850 1.550 1.600 1.779 1.850 1.550 1.600 1.779 1.850 1.600 1.779 1.850 1.600 1.779 1.850 1.600 1.779 1.850 1.550 1.600 1.779 1.850 1.550 1.600 1.779 1.850 1.550 1.600 1.779 1.850 1.550 1.600 1.779 1.791 1.750 1.750						.854									1
**80 1.052 **946 **946 **945 1.015 1.076 **800 1.051 .946 **949 **950 1.011 **850 1.077 1.052 1.016 1.033 1.069 1.068 **850 1.079 1.052 1.016 1.033 1.069 1.088 **850 1.079 1.052 1.016 1.033 1.117 1.131 1.110 1.117 1.135 1.118 1.488 **950 1.117 1.212 1.110 1.117 1.135 1.118 1.488 **950 1.117 1.223 1.130 1.135 1.118 1.488 **950 1.117 1.223 1.130 1.135 1.118 1.488 **950 1.116 1.209 1.223 1.120 1.223 1.120 1.223 1.235 1.236 1.990 1.223 1.120 1.223 1.235 1.236 1.990 1.223 1.123 1.235 1.238 1.235 1.236 1.990 1.223 1.997 1.885 1.235 1.236 1.990 1.202 1.997 1.885 1.829 1.786 1.770 **600 1.891 2.092 1.997 1.885 1.829 1.786 1.776 **600 1.891 2.092 1.997 1.885 1.829 1.786 1.776 **600 1.891 2.092 1.997 1.885 1.829 1.786 1.776 **600 1.891 2.092 1.997 1.885 1.828 1.776 **600 1.891 2.092 1.997 1.888 1.883 1.883 1.775 **680 1.822 1.977 1.880 1.835 1.828 1.776 **680 1.720 2.057 1.982 1.899 1.899 1.201 1.996 1.888 1.884 1.775 1.791 1.888 1.824 1.990 1.423 1.488 1.202 2.097 1.992 1.899 1.890 1.891 1.890 1.850 1.857 1.791 1.808 1.630 1.252 1.202 1.600 1.472 1.255 1.560 1.4421 1.188 1.276 1.123 1.405 1.600 1.272 1.238 1.235 1.258 1.258 1.671 1.590 1.488 1.443 1.530 1.600 1.311 1.500 1.500 1.774 1.500 1.552 1.600 1.779 1.050 1.552 1.600 1.000 1.774 1.617 1.595 1.660 1.000 1.774 1.617 1.595 1.660 1.000 1.774 1.617 1.595 1.660 1.000 1.774 1.808 1.500 1.500 1.774 1.500 1.552 1.600 1.000 1.774 1.801 1.701 1.502 1.229 1.600 1.000 1.774 1.617 1.595 1.603 1.600 1.501 1.791 1.201 1.502 1.229 1.600 1.000 1.774 1.617 1.595 1.603 1.600 1.501 1.502 1.229 1.600 1.000 1.774 1.617 1.617 1.502 1.229 1.600 1.000 1								1.091							14
**************************************															1
**************************************			1.062										1.032	1.070	1
**************************************													1.118	1.148	1
**560 2.013 2.026 1.912												1.243	1.214	1.235	1
1.990		. 750	18103	10277											
*** *** **** **** **** **** **** **** ****		-560	2.013	2.026	1.912				.560	1.983		1.993			
600 1.962 2.027 1.911 1.861 1.776 1.770		•580	1.990	2.035	1.917	1.856				1.939			1.881		1
*** **** **** **** **** **** **** **** ****	er				1.911						2.092				1
*** **** **** **** **** **** **** **** ****	dd	.620	1.934	2.021	1.902										1
*** *** *** *** *** *** *** *** *** **	C.C.	.640	1.891			1.860									1
*** **** **** **** **** ***** ***** ****	ac										2.047	1.092			1
*** **** **** **** **** ***** ***** ****	5			1.974						1.713					1
*** **** **** **** **** ***** ***** ****	n n	.690	1.801	1.968	1.880	1.035	1.020	10110		20123	2.000				
**620	e i	F./.C		2.000	1.792				- 560		2.052	1.871			
**640				2.023		1.765	1.860	1.423	•580		2.116	1.878			1
**620	L DC														1
**660	6 5											1.926			1
*** **** **** **** **** ***** ***** ****	On										1.752	1.838			1
*** *** *** *** *** *** *** *** *** **	H														1
*690 1.834 1.472 1.390 1.526 1.503															1
**560									•690		1.961	1.585	1.403	1.574	1
*** 580															-
*** *** *** *** *** *** *** *** *** **		.560											1 552	1.712	1
*560 1:146 1:652 1:388 1:462 1:460 1:261 *580 1:085 1:522 1:503 1:501 1:495 *580 1:105 1:611 1:411 1:501 1:502 1:229 *580 1:085 1:522 1:470 1:531 1:521 *580 1:085		•580												1.4002	
**560 1.146 1.652 1.388 1.462 1.460 1.261 **580 1.05 1.651 1.501 1.501 1.502 1.229 **580 1.08** 1.502 1.503 1.501 1.501 1.502 1.229 **580 1.08** 1.502 1.503 1.501 1.501 1.502 1.225 **580 1.087 1.502 1.28 1.336 1.338	6			1.712					• 600		1.749				1
**560 1.146 1.652 1.388 1.462 1.460 1.261 **580 1.05 1.651 1.501 1.501 1.502 1.229 **580 1.08** 1.502 1.503 1.501 1.501 1.502 1.229 **580 1.08** 1.502 1.503 1.501 1.501 1.502 1.225 **580 1.087 1.502 1.28 1.336 1.338	b.					1.509		1.212							1
**560 1.146 1.652 1.388 1.462 1.460 1.261 **580 1.05 1.651 1.501 1.501 1.502 1.229 **580 1.08** 1.502 1.503 1.501 1.501 1.502 1.229 **580 1.08** 1.502 1.503 1.501 1.501 1.502 1.225 **580 1.087 1.502 1.28 1.336 1.338	50			1.347				1.087							1
**560 1.146 1.652 1.388 1.462 1.460 1.261 **580 1.05 1.651 1.501 1.501 1.502 1.229 **580 1.08** 1.502 1.503 1.501 1.501 1.502 1.229 **580 1.08** 1.502 1.503 1.501 1.501 1.502 1.225 **580 1.087 1.502 1.28 1.336 1.338	113			1.000		. 983	1.00/	*868				4913			
**560 1.146 1.652 1.388 1.462 1.460 1.261 **580 1.05 1.651 1.501 1.501 1.502 1.229 **580 1.05 1.651 1.502 1.229 **580 1.087 1.502 1.229 **580 1.087 1.502 1.229 1.503 1.501 1.501 1.502 1.228 1.373 1.420 1.374 1.227 **600 1.087 1.182 1.288 1.336 1.358 1.	ms								.688		•979	.904		. 982	
640 1.099 .965 1.193 1.154 1.166 1.240 .640 1.084 .946 1.002 1.014 1.126 .660 1.118 .879 1.102 1.023 1.098 1.255 .660 1.104 .869 .935 .913 1.047 .680 1.169 .846 1.011 .971 1.071 1.255 .880 1.167 .834 .874 .876 1.018		*688		. 941	*011	6710	6753	4146							
640 1.099 .965 1.193 1.154 1.166 1.240 .640 1.084 .946 1.002 1.014 1.126 .660 1.118 .879 1.102 1.023 1.098 1.255 .660 1.104 .869 .935 .913 1.047 .660 1.169 .846 1.011 .971 1.071 1.255 .834 .874 .876 1.018 .936 .936 .936 .937 .938 .938 .938 .938 .938 .938 1.047 .938 .938 .938 .938 .938 .938 .938 .938	0	. 5 6 0	1.144	1.462	1.399	1,462	1,460	1,261	-560	1,128	1.622	1,503	1,501	1.495	1
640 1.099 .965 1.193 1.154 1.166 1.240 .640 1.084 .946 1.002 1.014 1.126 .660 1.118 .879 1.102 1.023 1.098 1.255 .660 1.104 .869 .935 .913 1.047 .680 1.169 .846 1.011 .971 1.071 1.255 .880 1.167 .834 .874 .876 1.018	ec	•580	1.105	1,611	1,411	1.501	1.502	1.229	.580	1.085					
640 1.099 .965 1.193 1.154 1.166 1.240 .640 1.084 .946 1.002 1.014 1.126 .660 1.118 .879 1.102 1.023 1.098 1.255 .660 1.104 .869 .935 .913 1.047 .660 1.169 .846 1.011 .971 1.071 1.255 .834 .874 .876 1.018 .936 .936 .936 .937 .938 .938 .938 .938 .938 .938 1.047 .938 .938 .938 .938 .938 .938 .938 .938	I I							1.227	.600	1.087				1.358	1
640 1.099 .965 1.193 1.154 1.166 1.240 .640 1.084 .946 1.002 1.014 1.126 .660 1.108 .946 1.002 1.014 1.126 .660 1.118 .879 1.102 1.023 1.098 1.255 .660 1.104 .869 .935 .913 1.047 .876 1.018 .680 1.169 .686 1.169 .686 1.011 .971 1.071 1.255 .688 1.157 .834 .874 .876 1.018 .901	Ne De		1.108					1.231						1.195	1
•660 1.118 •879 1.102 1.025 1.071 1.255 •680 1.157 •834 •874 •876 1.018	00		1.099	•965				1.240	.640	1.084				1.120	1
680 1.169 .846 1.011 .971 1.071 1.255 .680 1.157 .834 .874 .876 1.019	H													1.047	1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1								.680	1.157				1.018	1
•688 1•136 •771 1•020 •933 1•049 1•246   •688 1•154 •765 •671				.771	1.020	.933	1.049	1.246	.688	1.154	.763	.871	.838	0991	1

TABLE 15 .- PRESSURE COEFFICIENTS - Concluded

 $\left[\delta_{S} = -0.060 \, c; \, \delta_{d} = -0.04500 \, c\right]$ 

	-/-	I	ressure o	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0,85	0.97
Upper	.000 .010 .030 .050 .075 .100 .250 .300 .350 .400 .450 .520 .538 .710 .720 .740 .760 .800 .850 .850	0.15  1.360 2.115 2.139 2.147 2.153 2.155 2.160 2.141 2.106 2.112 2.106 2.028 1.987 1.959 1.605 1.615 1.657 1.526 1.337	0.80 1.730 2.127 2.132 2.140 2.145 2.145 2.156 2.169 2.174 2.174 2.174 2.176 2.176 3.034 2.4160 2.776 3.034 2.4174 2.4174 2.4174 2.4174 2.4174 2.4176 3.6776 3.7776	0.50  1.611 2.118 2.123 2.103 2.107 2.109 2.109 2.109 2.109 2.109 2.104 2.098 2.0045 2.042 1.716 1.707 1.736 1.758 1.758 1.758 1.754 1.621	0.70  2.274 1.940 1.933 1.937 1.937 1.937 1.938 1.938 1.938 1.948 1.936 1.931 1.936 1.936 1.931 1.936 1.936 1.931 1.936 1.936 1.931 1.936 1.936 1.931 1.936 1.936 1.931 1.936 1.936 1.931 1.936	0.85  1.662 1.833 1.835 1.835 1.835 1.837 1.848 1.869 1.897 1.899 1.816 1.854 1.855	0.97 1.680 1.690 1.701 1.703 1.710 1.722 1.748 1.773 1.881 1.831 1.841 1.830 1.788 1.762 1.4417 1.413 1.412 1.411 1.410 1.431
Lower	.010 .030 .050 .075 .100 .250 .300 .350 .400 .450 .520 .540 .710 .740 .780 .880 .890 .950	**O18** **O68** **154** **236** **403** **406** **535** **629** **721** **781** **880** **990** **1004	.422 .296 .308 .341 .380 .668 .554 .619 .695 .778 .886 .943 .117 1.257 .705 .835 .904 .948 1.061 1.331 1.218	.446 .351 .352 .392 .430 .521 .581 .658 .732 .960 .122 1.235 1.468 .743 .803 .892 .947 1.048 1.140 1.257	.428 .368 .442 .428 .474 .559 .635 .707 .763 .837 .893 .401 .173 .831 .401 .779 .831 .703 .703 .703 .703 .703 .703 .703 .703	.443 .629 .476 .869 .622 .714 .777 .846 .903 .960 1.029 1.198 1.452 .945 .919 .956 .911 1.001 1.001	.569 .601 .680 .767 .831 .914 .982 1.020 1.054 1.170 1.134 1.266 1.218 1.114 1.070 1.047 1.047 1.047 1.062 1.181
Spoiler surface: er Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.883 1.821 1.764 1.717 1.661 1.658 1.635	2.114 2.156 2.134 2.136 2.105 2.060 2.089 2.059	2.040 2.047 2.049 2.048 2.030 2.040 2.033 2.027	1.881 1.886 1.884 1.888 1.898 1.893	1.834 1.841 1.855 1.870 1.898 1.911	1.761 1.778 1.785 1.800 1.817 1.839 1.849
Spoiler Lower	.560 .580 .600 .620 .640 .660 .680		2.077 2.202 2.174 2.018 1.579 1.287 1.466 2.046	1.908 1.907 1.910 1.920 1.845 1.604 1.399 1.682	1.806 1.821 1.862 1.841 1.602 1.293 1.422	1.918 1.961 1.989 1.703 1.233 1.165	1.475 1.504 1.533 1.556 1.529 1.435 1.553
surface: Upper	.560 .580 .600 .620 .640 .660 .680		1.813 1.776 1.755 1.484 1.362 1.044 .999	1.590 1.530 1.643 1.559 1.300 .978 .921	1.754 1.576 1.707 1.546 1.331 1.003 .940	1.737 1.660 1.698 1.576 1.398 1.099 1.005	1.700 1.359 1.336 1.239 1.108 .888 .782 .763
Deflector surface:	.560 .580 .600 .620 .640 .680 .688	1.136	1.622 1.481 1.126 .990 .940 .864 .828	1.533 1.431 1.179 1.026 .938 .886 .835	1.529 1.529 1.268 1.069 .965 .885 .855	1.509 1.538 1.336 1.153 1.066 .997 .967	1.264 1.208 1.220 1.236 1.246 1.251 1.233 1.213

,	Pressure coefficient $C_p$ at $\frac{V}{b/2} = -$											
x/c	0.15		0.30		0.50	0.70	0.85	0.97				
.000 .010 .030 .050 .075 .100 .150 .200 .350 .400 .450 .538 .710 .740 .760 .780 .850 .850 .850 .950												
.010 .030 .050 .075 .100 .200 .250 .300 .400 .520 .520 .520 .740 .740 .760 .760 .800 .850 .900												
.560 .580 .600 .620 .640 .660 .680												
.560 .580 .600 .620 .640 .660												
•560 •580 •600 •620 •640 •660 •680 •688												
• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 688												

α = **#** 0

TABLE 16.- PRESSURE COEFFICIENTS

 $\delta_{s} = -0.080c; \delta_{d} = -0.06000c$ 

			α	= <b>-4</b> <sup>0</sup>		L			
	x/c	P	ressure o	coefficient	Cp at	$\frac{y}{b/2} = -$		x/c	
	A/ C	0.15	0.30	0.50	0.70	0.85	0.97	.,,	(
Surface: Upper	.000 .010 .030 .050 .075 .100 .150 .200 .250 .350 .400 .520 .520 .538 .720 .740 .780 .800 .850 .950 .950	1.791 .606 .763 .830 .837 .838 .907 .918 .935 .939 .938 .921 .905 .942 .944 .951 .946 .935 .939 .948 .948 .949 .949 .949 .949 .949 .94	2 · 829	2.726 .434 .584 .659 .711 .774 .781 .774 .781 .774 .781 .774 .781 .774 .1560 1.557 1.560 1.554 1.576 1.583 1.576 1.583	2 • 254 • 381 • 531 • 602 • 655 • 697 • 738 • 751 • 754 • 728 • 686 • 630 • 517 • 494 • 474 • 1-396 1 • 396 1 • 402 1 • 412 1 •	1.595 .401 .551 .615 .668 .708 .781 .789 .781 .743 .605 .568 .560 1.606 1.655 1.696 1.633 1.444 1.389 1.346 1.173 1.122	1.115 .515 .705 .798 .855 .900 .936 .947 .953 .953 .948 .915 .897 .819 .803 .795 1.449 1.449 1.449 1.449 1.449 1.4483 1.481 1.472 1.1183	.000 .010 .030 .050 .075 .100 .150 .200 .350 .350 .450 .550 .538 .710 .720 .740 .740 .780 .780 .950	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Lower	.010 .030 .050 .075 .100 .250 .220 .3300 .350 .400 .520 .540 .710 .740 .780 .880 .890	1.602 1.364 1.254 1.253 1.255 1.265 1.265 1.265 1.359 1.404 1.4491 1.490 1.512 1.457 1.317 1.273 1.273 1.273	1.914 1.627 1.500 1.430 1.4410 1.429 1.442 1.445 1.445 1.441 1.456 1.569 .975 .881 .905 .928 .931 1.048 1.048 1.048	2.110 1.960 1.824 1.696 1.596 1.507 1.425 1.405 1.393 1.347 1.235 1.301 1.235 1.301 1.887 1.934 1.889 1.742 1.506 1.507	2.230 2.188 2.082 2.060 1.698 1.605 1.463 1.334 1.298 1.250 1.167 1.146 1.146 1.146 1.1593 1.611 1.593 1.513 1.593 1.513	1.811 1.774 1.642 1.772 1.661 1.558 1.470 1.336 1.291 1.247 1.206 1.198 1.259 1.622 1.604 1.559 1.552 1.522 1.522 1.420	1.707 1.644 1.648 1.563 1.458 1.266 1.226 1.228 1.238 1.238 1.238 1.238 1.238 1.238 1.210 1.200 1.204 1.210 1.528 1.499 1.482 1.493	.010 .030 .050 .075 .100 .200 .250 .300 .450 .500 .520 .540 .740 .780 .800 .850 .900	
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	.990 1.016 1.073 1.141 1.184 1.295 1.316 1.350	.358 .438 .528 .623 .708 .800 .921	.429 .448 .521 .600 .672	.480 .552 .602 .670 .733 .821	.550 .630 .704 .790 .872 .961	*792 *828 *859 *894 *934 *986 1.048	•560 •580 •600 •620 •640 •660 •680 •690	1
Spoiler	.560 .580 .600 .620 .640 .660 .680		1.847 1.876 1.887 1.893 1.824 1.656 1.362 1.269	1.486 1.514 1.538 1.543 1.448 1.258 1.037	1.342 1.365 1.348 1.254 1.132 1.043	1.450 1.277 1.125 1.070 1.088 1.139 1.163	1.294 1.338 1.367 1.378 1.338 1.258 1.202	.560 .580 .600 .620 .640 .660	
surface: Upper	.560 .580 .600 .620 .640 .660 .680		.807 1.177 1.332 1.338 1.280 .985 .695	.803 1.011 1.165 1.181 1.080 .866 .646	.819 .982 1.139 1.111 1.058 .880 .682	1.043 1.137 1.196 1.171 1.135 1.019 .898 .856	1.041 1.193 1.242 1.199 1.131 .944 .732	.560 .580 .600 .620 .640 .660 .680	
Deflector surface: Lower Up	•560 •580 •600 •620 •640 •660 •680 •688	1.608 1.547 1.536 1.536 1.522 1.532 1.556 1.180	3.039 3.134 3.262 3.136 2.610 1.814 1.350 1.166	1.682 1.736 1.775 1.811 1.833 1.878 1.896	1.650 1.652 1.648 1.645 1.656 1.644 1.647	1.669 1.679 1.649 1.639 1.633 1.618 1.617	1.514 1.546 1.546 1.538 1.537 1.532 1.511 1.520	•560 •580 •600 •620 •640 •660 •680 •688	

	Pr	essure co	pefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
x/c	0.15	0.30	0.50	0.70	0.85	0.97
• 000	.461	1.394	2.896	2.269	2.076	1.058
.010	.875	.738	.541	0437	•406	.536
• 030	• 950	.876	•708	.618 .683	.622 .687	•737 •822
• 050 • 075	•981 •964	•911 •931	.770 .806	.731	.743	.872
.100	.981	.952	.823	.759	•777	.911
.150	1.001	. 958	. 844	.794	.821	0941
.200	1.001	. 954	.839	.794	.826	.946
. 250	1.018	. 939	.824	.789	.822	.946
• 300 • 350	.996	.922 .889	.802	.768 .739	.809 .790	.940 .936
• 400	.987	.823	• 762 • 705	•686	.746	901
. 450	.968	• 732	.622	.630	.684	.882
.500	. 966	.564	.518	.518	.588	.807
•520	• 948	• 497	. 472 . 434	.487	•558	•789 •782
•538 •710	.980 1.402	.433 2.357	1.605	.463 1.424	1.478	1.387
.720	1.435	2.352	1.606	1.423	1.500	1.384
.740	1.455	2.375	1.610	1.435	1.509	1.398
.760	1.442	2.357	1.612	1.441	1.506	1.402
.780	1.447	2.277	1.614	1.443	1.503	1.411
.800	1.384	2.258	1.618	1.453	1.504	1.419
.850	1.287	1.912	1.622	1.400	1.518	1.413
.950 1.000	1.137	1.430	1.555	1.409	1.354	1.122
1.000	10102	*301	10110	10374	10004	
.010	1.238	1.481	1.806	2.046	2.072	1.760
.030	1.146	1.368	1.608	1.765	1.683	1.587
.050	1.130	1.311	1.515	1.650	1.648	1.499
.075	1.111	1.288	1.486	1.546	1.463	1.403
.100	1.129	1.286	1.403	1.390	1.324	1.241
• 150 • 200	1.165	1.366	1.336	1.339	1.306	1.207
• 250	1.188	1.360	1.336	1.317	1.261	1.187
.300	1.292	1.386	1.350	1.272	1.226	1.172
• 350	1.355	1.412	1.310	1.239	1.198	1.157
. 400	1.395	1.460	1.327	1.193	1.163	1.151
• 450	1.452	1.392	1.238	1.146	1.123	1.141
•500	1.455	1.428	1.214	1.097	1,101	1.116
•520 •540	1.454	1.481	1.314	1.161	1.217	1.160
.710	1.436	.852	1.937	1.621	1.533	1.468
.740	1.360	. 862	2.012	1.619	1.530	1.473
.760	1.316	.911	2.052	1.611	1.529	1.468
.780	1.302	.940	1.999	1.604	1.520	1.459
.800	1.261	.951	1.943	1.594	1.518	1.445
. 850	1.216	1.069	1.755	1.542	1.463	1.405
•900 •950	1.195	1.109	1.527	1.420	1.379	1.300
. 750	10171	10 100	10402	20,20		2000
:560	1:838	•374	. 414 . 445			
				• 468	•527 •598	•779 •813
.600 .620	1.113	•547 •647	•523 •602	•532 •588	.663	.839
.640	1.228	•731	.676	•654	•742	.873
.660	1.340	. 822		.711	.803	•909
.680	1.364		.842	.793	.866	
.690	1.400	.947 1.014	. 903	.892	.938	1.020
•560 •580		1.926	1.497	1.331	1.474	1.291
.600		1.968	1.525	1.344	1.474	1.327
.620		1.965	1.550	1.359	1.462	1.363
.640		1.884	1.535	1.355	1.376	1.398
.660		1.696	1.423	1.297	1.202	1.394
.680		1.376	1.171	1.145	1.012	1.309
•690		1.294	1.061	1.050	.983	1.231
.560		.851	.710	.654	.743	.850
•580		1.226	. 943	.878	0974	1.079
.600		1.370	1.113	1.053	1.095	1.172
.620		1.371	1.141	1.042	1.107	1.151
• 640		1.311	1.054	• 968 • 789	1.056	1.063
•660		1.012 .705	.835 .599	.567	.858 .640	.651
.688		.629	•533	. 495	•594	•596
•560 •580	1.585	3.064	1.675	1.607	1.517	1.460
.600	1.507	3.408	1.800	1.604	1.528	1.463
.620	1.512	3.189	1.846	1.615	1.530	1.465
.640	1.500	2.377	1.875	1.624	1.535	1.467
.660	1.510	1.495	1.950	1.622	1.533	1.466
		1.159	1.973	1.630	1.536	1 . 463
.680 .688		1.010	1.993	1.617	1.538	1.462

TABLE  $^{16}$  .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{\rm S}=^{-0.080}\,\text{c}\,;\,\delta_{\rm d}=^{-0.06000}\,\text{c}\right]$ 

- - 00

~ = 20

		T	Pressure	coefficien	t Cn a	t <u>y</u> = -			Т	ressure c	α = 2	C <sub>n</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	b/2 0.85	0.97
-	_	0,10	0.00	0.50	0.10	0.00	0.87		0.10					0.87
	.000	·296 1·238	.562 1.139	.760 .915	.941 .657	1.289	• 444	.000 .010	1.644	1.630	1.353	1.051	1.036	•380 •917
	.030	1 . 142	1.093	.949	.86	.755	.841	.030	1.352	1.359	1.193	1.031	1.019	.981
	•050 •075	1.082	1.068	•956 •955	.827 .852	.802 .840	.895 .918	• 050 • 075	1.318	1.267	1.131	1.002 .993	1.016	•992 •981
	•100	1.087	1.054	•959	.872	. 855	.939	.100	1.204	1.196	1.076	o 987	• 995	.984
	•150 •200	1.090	1.036	• 945 • 922	.880 .868	.880 .867	• 950 • 946	• 150 • 200	1.185	1.095	.984	• 955 • 935	•991	• 972 • 957
	• 250	1.079	.981	.887	.841	.850	.936	• 250	1.146	1.055	.937	.888	.914	. 934
	•300	1.052	.961 .918	.862 .806	.812	.833 .808	•925	• 300 • 350	1.110	1 · 023	.900	.852 .802	. 882 . 846	•917
Upper	• 350 • 400	1.041	. 849	•742	•768 •709	.751	.913 .869	ø 400	1.074	e 885	.754	.729	.771	.857
Jpp	•450	1.002	.747 .566	.643 .531	.641	.687 .578	· 848	• 450 • 500	1.044	• 768 • 608	.651 .567	. 645 . 544	• 695 • 587	·815
	•500 •520	• 981	•505	.485	.528 .500	.542	•774	• 520	1.013	. 573	.551	.535	•559	•729
	•538	1.009	• 459	• 455	• 479	•524	1.352	•538 •710	1.465	0 549 2 0 344	1.583	1.416	1.419	•722 1•350
	•710 •720	1.436	2.368	1.609	1.428	1.421	1.359	.720	1.500	2 0 3 4 3	1.586	1.422	1.421	1.350
	.740	1.496	2.363	1.613	1.441	1.432	1.357	• 740	1.529	2.328	1.586	1 . 428	1.425	1.350
	•760 •780	1.485	2.345	1.615	1.444	1.435	1.358	• 760 • 780	1.530	2.310	1.588	1.430	1.427	1.350
.: 6	.800	1 . 434	2.260	1.625	1.453	1.443	1.364	.800	1.484	2 . 246	1.592	1.442	1.435	1.356
fac	•850 •950	1.327	1.917	1.629	1.451	1.461	1.368	• 850 • 950	1.381	1.934	1.597	1.446	1.446	1.358
Surface	1.000	1.153	• 495	1.328	1.471	1.404	1.230	1.000	1.168	.593	1.391	1.481	1.469	1.282
ing	•010	•932	1.086	1.289	1.571	1.712	1.554	.010	. 696	.766	.902	1.116	1.159	1.267
8	.030	. 943	1.095	1.240	1.399	1.396	1.389	.030	.775	. 865	.988	1.107	1.068	1.221
	•050 •075	•960 •979	1.102	1.282	1.355	1.480	1.286	• 050 • 075	.832 .873	• 917 • 969	1.022	1.135	1.260	1.153
	.100	1.011	1.138	1.221	1.308	1.286	1.193	.100	.913	1.016	1.074	1.152	1.127	1.122
	•150	1.104	1.212	1.274	1.255	1.203	1.135	• 150 • 200	1.004	10114	1.150	1.141	1.094	1.089
	•200 •250	1.080	1.265	1.254	1.251	1.186	1.103	• 250	1.045	1.192	1.173	1.175	1.134	1.079
	•300	1.224	1.305	1.278	1.217	1.172	1.090.	e 300	1.163	1 . 234	1.208	1.154	1.129	1.063
er	•350 •400	1.288	1.340	1.248	1.190	1.152	1.080	e 350	1.235	1.281	1.235	1.148	1.126	1.046
Lower	• 450	1.401	1.339	1.204	1.129	1.089	1.056	. 450	1.356	1.298	1.166	1.103	1.081	1.030
Н	• 5 00	1.408	1.394	1.193	1.081	1.061	1.034	.500 .520	1.372	1.430	1.166	1.061	1.056	1.003
	•520 •540	1.439	1.593	1.328	1.169	1.190	1.111	.540	1.406	1.575	1.313	1.162	1.207	1.091
	•710	1.419	.783 .842	1.952 2.037	1.641	1.515	1.428	• 710 • 740	1.405	• 751 • 832	2.006	1.659	1.532	1.421
	•740	1.298	.893	2.071	1.629	1.510	1.439	.760	1.283	. 891	2.033	1.643	1.528	1.430
	.780	1.290	• 933	2.002	1.617	1.506	1.431	• 780	1.278	• 928	1.957	1.633	1.521	1.427
	.800 .850	1.243	.940 1.062	1.701	1.608	1.498	1.415	. 800 . 850	1.231	1.063	1.635	1.546	1.516	1.418
	.900	1.185	1.103	1.442	1.516	1.449	1.370	• 900	1.179	1.111	1.372	1.493	1.459	1.355
	• 950	1.183	1.138	1.313	1.456	1.399	1.338	• 950	1.187	1.153	1.267	1.442	1.413	1.340
	•560	1.058	.408 .452	•432	. 470	. 514	.736	• 560 • 580	1.092	• 505 • 488	•533 •514	.490	.526	•709
FI CO	•580 •600	1.142	•548	•452 •523	•470 •527	• 514 • 584	• 784	.600	1.178	. 544	•537	•527	e582	.757
pper	.620	1.214	• 645	.604	.583	.647	.816	.620	1.245	640	.591	.569	.642 .728	•791
Ce	.640 .660	1.254	•729 •819	.676	•644 •704	•722 •779	.844 .887	. 640 . 660	1.400	o 728	• 656	.634 .689	.780	.833 .873
surface:	.680	1.397	. 944	.822	.782	.837	.926	•680	1.424	• 946	• 797	.766	.831	.916
ns.	•690	1.430	1.001	.870	. 864	. 894	•971	o 690	1.458	• 998	. 843	.838	• 885	• 953
ler	•560		1.937	1.543	1 250	1 452	1 200	• 560		1.927	1.540	1.266	1.402	1.286
Spoiler	•580 •600		1.967	1.559 1.578	1.358	1.452	1.299	• 580 • 600		1.982	1.573	1.366	1.503	1.311
	.620		2.003	1.606	1.391	1 . 486	1.369	. 620		1 . 996	1.612	1.403	1.528	1.350
Low	.640 .660		1.906	1.598	1.399	1.419	1.426	. 640 . 660		1.895	1.593	10414	1.485	1.415
	.680		1.304	1.126	1.163	• 983	1.319	.680		1 . 265	1.076	1.139	.949	1.288
	.690		1.245	1.000	1.048	.929	1.205	e 690		1.220	.954	1.007	.916	1.163
	•560		.878	•718	•642	•700	.671	• 560		. 885	e 725	0644	6723	e 647
14	•580 •600		1.372	.956 1.130	.876 1.049	1.066	1.035	. 580 . 600		1.228	1.127	1.046	1.093	. 882 . 985
obe :	.620		1.372	1.145	1.041	1.082	1.052	.620		1.359	1.138	1.042	1.113	.994
Ul	.640 .660		1.309	1.067 .839	•9 <b>6</b> 9	1.035 .842	. 966 . 804	. 640 . 660		1.003	1.063 .836	• 960 • 780	1.063	o 921
surface: Upp	•680		.704	.603	.565	.614	.612	· 680		.700	.602	.565	.637	.601
	e688		.629	•529	• 482	.560	•559	. 688		e 627	•533	.484	• 592	•547
Deflector	•560 •580	1.558	2.961	1.657	1.625	1.492	1.422	• 560	1.532	2.905	1.628	1.630	1.525	1.415
r	.600	1 . 477	3.357	1.788	1.619	1.513	1.424	.600	1.451	3.317	1.750	1.628	1.532	1.421
De: Lower		1.483	3.058 2.107	1.838	1.645	1.513	1.426	• 620 • 640		2.972	1.842	1.656	1.536	1.426
Ľ	+660	1.487	1.282	1.972	1.641	1.517	1.428	. 660	1.471	1.182	1 . 945	1.652	1.537	1.426
	•680	1.539	1.041 .903	2.001	1.649	1.515	1.429	e 680 e 688	1.527	• 991 • 859	1.978	1.654	1.536	1.427
								4.000	10123	0 027	20001	TODDA		

TABLE 16 .- PRESSURE COEFFICIENTS - Continued

	δ <sub>S</sub> = -0.080 c;	8 <sub>d</sub> = -0.06000 c		
= 4 0	_		= 6	0

	-			coefficien	t C <sub>n</sub> at	<u>y</u> = -			Т	ressure c	oefficient	C <sub>n</sub> at	<u>y</u> = _	
	x/c					b/2		x/c				P	b/2	0.07
	-	0.15	0.30	0.50	0.70	0,85	0.97		0.15	0.30	0.50	0.70	0.85	0.97
Surface: Upper	.000 .010 .030 .050 .075 .100 .250 .350 .400 .450 .520 .538 .710 .720 .740 .780 .850 .850 .850 .850	*552 2*214 1*653 1*521 1*376 1*376 1*239 1*239 1*219 1*170 1*123 1*085 1*071 1*046 1*077 1*505 1*538 1*550 1*538 1*550 1*408 1*207	2.205 1.764 1.517 1.386 1.334 1.278 1.178 1.126 1.085 1.023 940 831 690 645 2.249 2.234 2.210 2.182 2.226 2.234 2.210 2.182 2.254 2.210 2.182 2.254 2.	249 1.687 1.491 1.397 1.301 1.234 1.128 1.061 1.001 2.799 2.716 6550 629 6611 1.564 1.565 1.562 1.567 1.577 1.577	*496 1*611 1*312 1*197 1*1144 1*116 1*059 1*0059 1*0059 1*0059 1*0059 1*0051 1*405 1*418 1*418 1*418 1*421 1*418	*338 1*504 1*219 1*168 1*130 1*082 1*050 *991 *894 *845 *763 *687 *641 *633 *637 1*402 1*402 1*402 1*408 1*408 1*408 1*408	*463 1.334 1.116 1.016 1.002 1.008 *978 *946 923 *894 *841 *777 *754 *747 *754 1.340 1.339 1.346 1.352 1.358 1.358 1.357 1.328	.000 .010 .030 .050 .075 .100 .150 .250 .300 .400 .450 .520 .520 .720 .740 .740 .760 .850 .950 .950	9940 3.683 1.753 1.757 1.527 1.476 1.404 1.237 1.226 1.206 1.176 1.135 1.129 1.483 1.518 1.558 1.550 1.507 1.400 1.203 1.500	.598 2.562 2.519 1.902 1.566 1.451 1.333 1.272 1.218 1.167 1.096 1.010 .010 .010 .010 .010 .010 .010 .0	**250 1*651 1*651 1*597 1*594 1*333 1*228 1*235 1*062 **989 **817 **801 **778 1*573 1*558 1*573 1*558 1*573 1*558 1*573 1*558 1*573 1*558 1*573 1*558 1*573 1*558 1*573	.630 1.542 1.6385 1.226 1.226 1.226 1.226 1.266 2.929 2.886 8.842 2.781 8.802 2.781 1.400 1.400 1.400 1.400 1.414 1.424 1.458	. 234 1.0488 1.2747 1.224 1.225 1.026 	.679 1.613 1.427 1.8315 1.200 1.124 1.047 1.009 973 .944 .920 .888 .867 .832 .821 1.303 1.303 1.309 1.311 1.3221 1.323 1.337 1.348 1.337
Wing Lower	010 030 050 075 100 200 350 400 520 540 710 760 800 850 950	*480 *614 *691 *753 *803 *914 *925 *963 1.028 1.223 1.223 1.223 1.223 1.223 1.225 1.223 1.225 1.	.706 .783 .882 .906 1.028 1.098 1.121 1.293 1.255 1.322 1.394 1.538 2.844 .818 .818 .818 .824 .924 .934 1.061 1.116	.659 .800 .865 .941 .958 1.039 1.039 1.131 1.187 1.128 1.140 1.170 1.293 1.890 1.964 1.988 1.909 1.819 1.564 1.313 1.312	.750 .858 .920 .945 .993 1.032 1.061 1.081 1.081 1.081 1.044 1.055 1.656 1.649 1.695 1.656 1.649 1.595 1.656	.838 .8911 1.056 .940 1.015 1.002 1.006 1.077 1.005 1.038 1.038 1.038 1.038 1.038 1.054 1.386 1.505 1.501 1.505 1.501 1.494 1.493 1.493 1.493	. 939 1.026 1.022 1.038 1.052 1.046 1.058 1.050 1.046 1.038 1.027 1.003 1.070 1.405 1.413 1.405 1.413 1.409 1.413 1.409 1.435	*010 *030 *055 *075 *100 *150 *220 *330 *450 *550 *500 *520 *710 *740 *760 *850 *850 *850 *850 *850 *850 *850 *85	.330 .482 .573 .650 .711 .026 .850 .901 1.025 1.161 1.242 1.247 1.277 1.277 1.273 1.223 1.182 1.221 1.223 1.182 1.182	. 461 .582 .670 .751 .809 .919 1.005 1.162 1.203 1.276 1.482 .710 .809 .876 .911 .927	.549 .692 .764 .841 .878 .970 .970 .1045 1.045 1.095 1.108 1.128 1.134 1.134 1.134 1.298 1.298 1.931 1.945 1.855 1.757 1.492 1.285 1.293 1.191	.630 .754 .836 .858 .912 .962 1.003 1.003 1.004 1.053 1.033 1.033 1.030 1.044 1.656 1.648 1.662 1.656 1.648 1.657 1.445 1.455 1.445	.644 .737 .892 .892 .903 .904 1.003 1.002 1.003 1.014 1.035 1.023 1.014 1.035 1.023 1.014 1.035 1.023 1.014 1.035 1.045	0719 0856 0912 0963 10066 10023 10016 10023 10018 1009 994 0988 10065 10376 10376 10379 10375 10376 10
surface: Upper	•560 •580 •600 •620 •640 •660 •680 •690	1.119 1.137 1.192 1.255 1.294 1.400 1.424 1.456	.578 .626 .692 .764 .842 .950 1.000	.599 .601 .622 .661 .703	•588 •596 •607 •645 •696 •767 •823	.613 .618 .650 .702 .761 .818	•732 •729 •758 •806 •853 •901 •945	.560 .580 .600 .620 .640 .660 .680	1.166 1.186 1.234 1.293 1.331 1.425 1.445	.683 .697 .721 .770 .815 .878 .952	.768 .756 .769 .789 .808	.757 .765 .765 .781 .801 .831	• 753 • 758 • 771 • 797 • 825 • 853 • 893	6780 6779 6796 6825 6854 893
Spoiler	•560 •580 •600 •620 •640 •660 •680		1.903 1.929 1.947 1.850 1.582 1.242 1.198 2.263	1.521 1.538 1.558 1.558 1.573 1.573 1.434 1.6059	1.353 1.372 1.395 1.404 1.314 1.090	1.463 1.478 1.498 1.459 1.243 .949 .917	1.268 1.286 1.319 1.366 1.369 1.225 1.109	• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690		1.804 1.823 1.846 1.862 1.795 1.545 1.209 1.168	1.537 1.550 1.570 1.602 1.589 1.450 1.084 .968	1.361 1.372 1.397 1.408 1.316 1.090	1.453 1.467 1.488 1.423 1.185 .929	1.232 1.246 1.263 1.307 1.321 1.200
r surface: Upper	.560 .580 .600 .620 .640 .660 .680		1.199 1.326 1.322 1.261 .970 .682 .610	.729 .951 1.117 1.131 1.050 .828 .607 .532	.639 .865 1.032 1.027 .957 .775 .562 .481	.734 .965 1.090 1.101 1.053 .859 .649	.685 .885 .969 .959 .889 .753 .576	•560 •580 •600 •620 •640 •660 •680 •688		.849 1.156 1.276 1.268 1.210 .936 .662	.758 .968 1.132 1.144 1.062 .835 .612	.661 .877 1.043 1.035 .958 .773 .569 .493	.741 .964 1.086 1.096 1.042 .854 .666	.747 .909 .971 .953 .876 .711 .543
Deflector	•620 •640 •660 •680	1.408	3.051 3.256 2.860 1.811 1.110 .954 .825	1.589 1.655 1.713 1.766 1.805 1.910 1.946 1.967	1.619 1.611 1.620 1.631 1.649 1.663 1.652	1.490 1.504 1.509 1.510 1.512 1.515 1.511	1.405 1.410 1.415 1.415 1.413 1.419 1.412	.560 .580 .600 .620 .640 .660 .688	1.433 1.371 1.369 1.379 1.370 1.395 1.450 1.131	2. 759 2. 978 3. 158 2. 737 1. 696 1. 058 . 927 . 803	1.553 1.621 1.673 1.730 1.772 1.887 1.924 1.946	1.616 1.604 1.612 1.621 1.644 1.642 1.659	1.451 1.467 1.469 1.471 1.475 1.474 1.473	1.377 1.382 1.384 1.386 1.388 1.386 1.382

TABLE 16 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{\rm S} = -0.080~\rm c;~\delta_{\rm d} = -0.06000~c\right]$   $\alpha = 10^{\circ}$ 

				r = 8				_			a = 10		77	
	/-		Pressure	coefficien	t C <sub>p</sub> at	$\frac{y}{b/2} = -$	-	11/0	P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Upper	.000 .010 .030 .050 .075 .100 .250 .300 .350 .450 .520 .520 .530 .710 .720	1.394 4.182 2.665 1.696 1.695 1.624 1.515 1.433 1.333 1.331 1.298 1.224 1.220 1.177 1.175 1.476 1.503 1.503	*648 2:192 2:127 2:081 2:0043 2:017 1:986 1:659 1:491 1:217 1:101 9:951 9:901 2:161 2:153 2:145	*415 1.601 1.601 1.601 1.605 1.572 1.452 1.465 1.331 1.201 1.201 1.214 1.212 1.212 1.238 1	.818 1.456 1.465 1.474 1.426 1.373 1.218 1.218 1.218 1.218 1.218 1.223 1.048 1.048 1.049 1.048 1.049 1.048 1.049 1	.440 1.384 1.377 1.368 1.350 1.224 1.224 1.211 1.183 1.152 1.0097 1.062 1.045 1.045 1.037 1.380 1.380 1.380	1.014 1.738 1.641 1.550 1.371 1.280 1.207 1.104 1.100 1.089 1.003 1.020 929 929 885 1.304 1.314 1.326	.000 .010 .030 .050 .075 .100 .250 .350 .450 .520 .538 .710 .720 .740	1.313 2.981 3.295 3.081 2.610 2.209 1.769 1.581 1.494 1.415 1.386 1.359 1.221 1.221 1.221 1.445 1.445	.914 2.198 2.158 2.152 2.123 2.103 2.103 2.1068 1.974 1.843 1.886 1.550 1.417 1.221 1.220 2.222 2.218 2.222 2.218	.593 1.691 1.681 1.681 1.680 1.676 1.676 1.652 1.659 1.538 1.481 1.481 1.481 1.452 1.538 1.481 1.452 1.538	. 936 1.456 1.455 1.455 1.455 1.463 1.463 1.463 1.454 1.428 1.412 1.438 1.421 1.438 1.421 1.438 1.429 1.438 1.436	*623 1*364 1*368 1*376 1*380 1*371 1*371 1*364 1*358 1*358 1*357 1*27 1*255 1*255 1*255 1*255 1*256 1*356	1.071 1.564 1.563 1.467 1.379 1.363 1.355 1.340 1.328 1.258 1.228 1.220 1.198 1.360 1.309 1.312 1.317
ing Surface:	.780 .780 .800 .850 .950	1.525 1.535 1.486 1.390 1.198 1.157	2.131 2.109 1.865 1.467	1.544 1.548 1.563 1.542 1.469	1.398 1.405 1.416 1.414	1.393 1.400 1.407 1.406 1.452	1.338 1.347 1.357 1.319 1.322	.780 .800 .850 .950	1.469 1.428 1.334 1.153 1.136	2.169 2.127 1.783 1.386 .840	1.536 1.543 1.563 1.511 1.461	1.379 1.383 1.413 1.403 1.416	1.365 1.371 1.378 1.386 1.433	1.343 1.343 1.304 1.314
Lower	.010 .030 .050 .075 .100 .200 .250 .300 .350 .400 .520 .520 .710 .740 .780 .880 .880 .990	*213 *362 *464 *547 *614 *731 *774 *830 *953 1.039 1.079 1.218 1.256 1.290 1.219 1.185 1.185 1.186 1.129 1.185	.380 .688 .574 .656 .720 .825 .911 .968 1.099 1.185 1.163 1.250 1.326 .663 .788 .859 .905 1.027 1.027 1.027	.449 .584 .662 .750 .882 .910 .976 1.033 1.039 1.117 1.074 1.112 1.158 1.294 1.778 1.846 1.751 1.647 1.369 1.140	.521 .638 .755 .761 .819 .879 .933 .969 .994 1.012 1.030 1.018 1.043 1.050 1.550 1.550 1.550 1.558 1.327 1.327 1.327	.568 .661 .811 .780 .843 .892 .953 .980 1.005 1.005 1.037 1.037 1.021 1.219 1.451 1.451 1.451 1.436 1.436 1.437 1.372	.621 .771 .855 .921 .956 .990 1:014 1:019 1:027 1:017 1:017 1:017 1:032 1:353 1:349 1:349 1:329 1:276 1:221	0010 030 030 075 100 150 220 250 300 052 0540 0520 0540 0740 0780 8800 8800 990	154 281 376 464 534 649 776 1036 1.120 1.120 1.120 1.120 1.120 1.177 1.152 1.115 1.095 1.115	- 343 - 424 - 504 - 583 - 645 - 754 - 838 - 898 - 1043 1 - 126 1 - 124 1 - 226 - 101 - 476 - 636 - 771 - 887 - 889 - 889 - 889 - 105 - 711 - 887 - 889 - 889 - 105 -	378 498 571 657 702 8801 846 912 970 1076 1.049 1.100 1.165 1.330 1.723 1.719 1.621 1.514 1.059 1.073	+336 +555 +619 +683 +747 +815 +878 +924 +955 +024 +0955 +229 +1004 +1044 +1044 +1556 +1556 +1556 +1556 +1561 +101 +101 +101 +101 +101 +101 +101 +1	-506 -593 -748 -718 -717 -842 -906 -942 -971 -999 1:019 1:063 1:238 1:426 1:426 1:421 1:339 1:330	.593 .734 .814 .891 .931 .978 1.015 1.028 1.049 1.050 1.076 1.076 1.21 1.322 1.309 1.304 1.298 1.298 1.298 1.298
r surface: Upper	.560 .580 .600 .620 .640 .660	1.215 1.227 1.262 1.305 1.337 1.417 1.440	. 763 . 822 . 814 . 830 . 839 . 856 . 934 . 963	1.084 1.063 1.043 1.029 1.007	.997 .990 .973 .964 .966 .969	1.012 1.001 .995 .996 1.001 1.000 1.011	.767 .795 .817 .832 .861 .892	.560 .580 .600 .620 .640 .660 .680	1.303 1.306 1.326 1.353 1.364 1.419 1.425	1.112 1.142 1.091 1.068 1.037 1.013 1.046 1.048	1.343 1.338 1.319 1.297 1.256	1.280 1.275 1.258 1.236 1.213 1.189 1.116	1.202 1.175 1.160 1.139 1.126 1.106	1.14: 1.12: 1.11: 1.09: 1.08: 1.06: 1.07:
Spoiler : Lower	.560 .580 .600 .620 .640 .660 .680		1.831 1.851 1.882 1.906 1.802 1.518 1.163	1.537 1.549 1.561 1.597 1.588 1.465 1.133	1.389 1.402 1.422 1.424 1.345 1.141 1.048	1.520 1.538 1.555 1.452 1.172 .973 1.017	1.252 1.266 1.287 1.325 1.335 1.206 1.094	.560 .580 .600 .620 .640 .660		1.833 1.852 1.898 1.910 1.794 1.514 1.195	1.624 1.628 1.635 1.668 1.641 1.487 1.189 1.154	1.493 1.502 1.519 1.516 1.424 1.216 1.166	1.554 1.586 1.597 1.417 1.099 .976 1.081	1.27: 1.28: 1.29: 1.31: 1.32: 1.23:
or surface: Upper	.560 .580 .600 .620 .640 .660 .680		.892 1.181 1.294 1.285 .947 .667	.782 .978 1.138 1.143 1.066 .828 .609	.707 .906 1.068 1.056 .985 .787 .589 .513	.794 1.021 1.136 1.134 1.080 .891 .709 .676	.840 .958 1.017 .980 .895 .721 .575	.560 .580 .600 .620 .640 .660 .688		.939 1.198 1.302 1.288 1.225 .950 .667	.862 1.041 1.196 1.186 1.111 .854 .629	.816 .987 1.157 1.133 1.050 .826 .638 .593	.821 1.042 1.159 1.142 1.089 .892 .728	.90 1.01 1.05 .99 .90 .72 .59
Deflector	.560 .580 .600 .620 .640 .660 .688	1.317 1.315 1.326 1.319 1.344 1.401	2.617 2.849 3.003 2.519 1.456 .951 .862	1.481 1.544 1.594 1.648 1.695 1.809 1.841	1.576 1.567 1.572 1.587 1.606 1.610 1.632 1.616	1.444 1.460 1.464 1.467 1.468 1.464	1.361 1.364 1.367 1.368 1.367 1.366 1.362	.600	1.291	2.295 1.272 .875	1.403 1.453 1.495 1.546 585 1.697 1.729 1.749	1.540 1.533 1.541 1.551 1.574 1.578 1.600 1.576	1.415 1.429 1.430 1.435 1.437 1.436 1.435	1.32 1.33 1.33 1.33 1.33 1.32 1.32

TABLE 16 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{\rm S} = 0.080 \text{ c}; \delta_{\rm d} = 0.00000 \text{ c}\right]$ 

a = 14 0  $\alpha = 12 \circ$ Pressure coefficient  $C_p$  at  $\frac{y}{b/2} =$ at Pressure coefficient x/c x/c 0.97 .878 1.325 1.014 2.329 2.349 2.371 1.151 1.518 1.517 .840 1.394 .000 1.092 .750 1.225 . 000 1.022 1.201 2.144 1.764 1.746 1.747 1.471 1.467 1.477 1.498 •010 •030 2.174 2.162 2.174 2.080 2.060 2.065 1.787 1.762 1.760 1.599 1.547 1.508 .030 1.547 1.515 . 050 1.613 -050 2.101 1.527 1.499 1.756 1.748 1.742 1.527 .075 2.360 1.530 .075 2.171 2.067 1.550 1.553 1.486 .100 2.063 .100 2.342 2.080 1.742 1.531 1.508 2.167 1.616 1.503 1.526 2.052 2.273 2.072 1.538 . 150 2.153 1.626 1.568 1.556 1.737 1.579 1.734 .200 2.131 .200 2.162 2.071 1.540 1.989 .250 2.052 1.729 1.549 1.538 1.550 . 250 2.082 2.051 1 . 647 1.613 1.605 2.009 1.549 · 300 • 350 1.990 2.040 1.734 1.677 1.617 1.553 1.705 1.558 .350 1.625 1.529 1.440 1.392 •400 •450 1.840 1.673 1.561 1.561 1.530 . 400 1.761 1.970 1.735 1.728 1.692 1.635 1.733 1.744 . 450 1.910 1.737 1.677 1.651 1.557 1.493 .500 14706 .500 1.648 1.611 1.497 1.483 1.589 1.840 1.653 1.620 1.589 1.510 .520 1.544 1.805 1.675 .520 1.539 1.778 .538 1.356 1.592 1.559 1.472 1.417 1.416 .538 1.648 1.594 1.518 1.503 1.492 1.494 1.497 1.323 2.328 1.524 1.346 1.354 1.333 .710 1.365 2.308 1.356 1.358 1.344 2.349 2.456 2.322 2.126 1.387 .720 1.348 2.368 1.526 1.343 1.355 1.332 .720 1.358 1.362 1.341 1.353 1.361 •740 •760 •780 1.529 1.340 1.395 1.367 1.367 1.342 1.383 1.499 1.354 1.368 .780 1.361 2.151 1.534 1.362 1.375 2.005 1.327 1.372 1.355 . 800 1.361 1.508 1.387 1.380 1.358 1.355 1.312 1.506 1.361 . 850 1.394 1.547 1.391 .850 1.273 1.651 1.352 950 1.381 1.389 1.328 . 950 1.209 1.429 1.457 1.387 1.390 1.331 1.000 1.333 1.465 1.382 1.440 1.381 .898 1.420 1.000 1.136 .580 ·336 .332 .565 .720 .698 .788 . 453 .444 .517 .595 .525 .030 .238 .495 .030 .468 .542 .594 .331 ·456 .553 .650 .812 .050 . 285 ·418 ·491 .513 .601 .893 .075 . 422 .622 .733 · 489 •592 . 546 .932 .100 .646 .687 .943 .100 .442 .648 . 685 .805 1.005 .555 .650 .694 •731 •795 .763 . 996 .150 1.046 .740 . 841 .200 .668 .785 .797 .828 .877 .200 .621 .866 .882 .918 . 250 .693 .803 .816 . 858 .890 1.068 .879 ·882 · 897 938 1.085 .957 .931 .300 .831 .926 .919 .991 1.083 .876 .350 .918 .955 . 951 .992 1.096 .350 . 952 1.048 .982 1.013 1.103 .950 1.052 1.010 .975 1.003 1.111 . 989 . 400 .400 1.014 1.019 1.048 1.019 1.029 1.105 .450 1.072 1.075 1.034 1.026 1.097 .450 1.036 1.075 1.158 1.114 1.074 1.169 1.058 1.105 .500 1.063 14120 .500 1.105 1.126 .520 1.122 1.249 1.190 1.103 1.096 1.126 .520 1.387 1.276 1.173 •540 1.127 1.407 1.509 1.537 1.299 .540 1.261 1.404 1.344 1.194 ·615 1.430 1.303 .710 1.211 .632 .740 1.150 .762 1.620 1.501 1.426 1.309 .740 1.134 14472 1.410 1.508 1.446 1.433 • 760 • 780 · 828 1.416 1.417 .760 1.126 1.307 1.113 1.296 1.121 1.305 .780 1.130 .869 1.516 1.328 1.194 1.139 .879 1.418 1.403 1.300 . 800 1.090 . 876 1.293 1.369 1.298 .997 1.114 1.302 1.077 1.159 1.274 .850 1.077 .992 1.098 1.102 .900 1.092 1.055 1.309 1.265 . 900 1.090 1.079 1.304 1.257 . 950 1.113 1.113 1.071 1.156 1.262 1.253 .950 1.105 1.638 1.670 1.678 1.664 1.505 1.479 1.456 1.437 1.733 1.543 ·560 1.611 1.557 1.505 1.477 1.329 1.495 1.490 1.414 1.380 .600 1.749 1.556 .600 1.564 1.624 .620 1.462 1.551 1.347 .620 1.550 1.457 1.698 1.628 1.555 1.409 1.520 1.404 .640 1.309 1.415 1.516 1.428 1.362 1.307 . 640 .660 1.372 1.395 1.326 1.274 . 660 1.416 1.660 1.514 1.491 1.358 1.610 1.570 .680 1.235 1.510 .680 1.328 1.351 1.366 1.272 .690 1.338 1.461 1.269 1.260 1.232 .690 1.399 1.598 1.592 1.405 1.435 1.322 1.787 1.825 1.837 1.760 1.763 1.764 1.793 1.727 1.769 1.775 1.719 1.719 1.722 1.328 1.797 1.563 1 4625 1.364 1.646 1.396 .600 1.675 1.346 1.816 .600 .620 1.770 1.754 1.594 1.658 .620 1.830 1.679 1.425 1.652 1.210 1.695 1.707 .640 . 640 .660 .680 1.550 1.460 1.569 1.514 1.481 1.046 1.419 . 660 1.682 1.562 .941 1.411 1.271 1.285 1.027 1.310 ·680 •690 1.577 1.329 1.353 1.096 1.350 1.279 1.193 .690 .949 1.108 .951 1.190 1.015 .989 1.103 .948 .892 .910 1.051 .560 .872 1.092 1.139 1.046 .580 .580 1.115 1.293 1.295 .600 1.234 1.256 1.225 1.200 1.110 . 600 1.287 1.271 .620 1.224 1.183 . 620 1.273 1.235 1.074 1.129 1.157 1.095 1.121 .959 • 640 • 660 1.215 1.178 1.161 .978 · 948 .908 ·952 .874 .888 .769 .660 .920 .768 .680 .684 .680 .581 .589 .611 . 688 .605 .632 .714 A 781 .626 Deflector : 2.368 1.364 1.251 2.276 1.308 1.383 1.315 .600 1.378 1.464 .600 1.224 2.661 1.440 1.499 1.420 1.329 1.199 2.546 1.397 1.311 1.416 1.447 1.520 1.235 1.481 1.513 1.424 1.206 1.475 .620 2.195 1.327 .620 2.058 1.404 1.305 1.273 1.323 .640 +660 1.253 .879 1.587 1.535 1.425 1.320 .660 1.230 . 832 1.504 1.407 1.302 . 680 1.286 . 788 .680 1.309 .816 1.567 1.616 ·688 1.106 .710 1.637 1.537 1.430 1.315 .688 1.110 . 688 1.568 1.515 1.411 1.300

TABLE 16 .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{\text{S}}=\text{-0*080\,c};\;\delta_{\text{d}}\text{=-0*06000\,c}\right]$ 

 $\alpha = 16^{\circ}$ 

α = 18 °

		1	Pressure	coefficien	t Cp a	$t \frac{y}{b/2} = -$	-		F	ressure c	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	.000	1.055	1.292	•999	1.592	1.089	1.447	.000	1.030	1.313	1.085	1.739	1.274	1.57
	.010	2.113	2.035	1.844	1.658	1.599	1.518	.010	1.926	1.930	1.837	1.710	1.656	
	•030	2.110	2.026	1.819	1.669	1.602	1.525	. 050	1.928	1.910	1.818	1.714	1.655	1.58
	.075	2.131	2.034	1.810	1.670	1.602	1.531	075	1.935	1.914	1.819	1.722	1.661	1.59
	.100	2.130	2.045	1.807	1.668	1.603	1.549	.100	1.946	1.919	1.816	1.721	1.658	1.60
	.150	2.118	2.044	1.800	1.677	1.619	1.565	e 150	1.953	1.926	1.817	1.728	1.672	1.61
	.200	2.106	2.041	1.797	1.688	1.634	1.591	• 200	1.950	1 . 927	1.828	1 0743	1.686	1.63
-	•250	2.071	2.037	1.802	1.705	1.655	1.620	• 250 • 300	1.954	1.933	1.843	1.757	1.704	1065
	•300 •350	2.012	2.031	1.810	1.734	1.682	1.651	.350	1.936	1.939	1.876	1.798	1.731	1.7
H	•400	1.873	1.994	1.832	1.784	1.733	1.705	. 400	1.929	1 935	1.882	1.810	1.743	1.7
Upper	.450	1.803	1.948	1.835	1.787	1.719	1.712	a 450	1.908	1.919	1.876	1.800	1.725	1.7
P	.500	1.764	1.890	1.804	1.711	1.667	1.668	.500	1.893	1.890	1.826	1.750	1.692	1.7
	•520	1.726	1.859	1.768	1.649	1.631	1.564	.520 .538	1.898	1.867	1.786	1.730	1.633	1.7
	•538 •710	1.725 1.528	1.830 2.134	1.734	1.367	1.370	1.336	•710	1.681	1.772	1.510	1.403	1.399	1.3
	.720	1.530	2.170	1.522	1.372	1.373	1.337	• 720	1.662	1.798	1.508	1.397	1.399	1.3
	.740	1.535	2.240	1.527	1.380	1.380	1.338	• 740	1.665	1.793	1.514	1.406	1.405	1.3
	.760	1.517	2.191	1.528	1.386	1.385	1.341	.760	1.628	1.804	1.511	1.409	1.409	1.3
	.780	1.514	2.063	1.530	1.392	1.391	1.343	• 780	1.618	1.787	1.518	1.420	1.416	1.3
	.800	1 • 480	1.980	1.533	1.398	1.395	1.346	.800 .850	1.576	1.781	1.521	1.425	1.420	1.3
	•850 •950	1.423	1.744	1.538	1.395	1.399	1.331	950	1.325	1.546	1.491	1.416	1.416	1.3
	1.000	1.227	.973	1.471	1.382	1.415	1.321	1.000	1.272	1.010	1.462	1.402	1.426	1.3
		047	225	254	264	. 4.02	544	.010	.043	.342	.362	.373	.406	5
	.010	.067 .162	.335 .334	•354 •390	. 364	• 403 • 457	o 546	.030	•133	.319	.374	.403	+433	. 6
	.050	.253	.390	.446		.604	•750	.050	.222	.367	.418	. 443	o 548	07
	.075	.339	• 458	•520	.536	.583	.840	0075	•305	e 425	. 485	.507	•547	8 8
	.100	• 408	.513	•568	.605	• 657	.896	•100	• 372	• 477	•531	0561 0651	.618	
	•150	• 524	•615	•670	.685	.738 .819	•968 1•021	. 150 . 200	• 486 • 552	• 573 • 659	· 634	.725	• 696 • 782	1.0
	•200	• 590 • 664	•702 •765	•725 •799	.760 .821	.869	1.021	• 250	•623	. 724	.763	0796	+839	1.00
	• 250	.753	.844	.868	.865	.920	1.074	• 300	•717	. 803	. 836	.839	+896	100
	•350	.850	•923	.912	.918	.965	1.091	• 350	.815	. 884	.882	.897	•941	1.1
er	.400	• 929	1.028	1.014	. 954	1.000	1.110	o 400	.888	• 995	• 987	0939	.987	1.1
Lower	.450	1.017	1.036	1.024	1.010	1.034	1.115	o 45 0	.980	1.011	1.007	1.004	1.030	1.1
긔	.500	1.062	1.155	1.134	1.063	1.091	1.132	.500	1.030	1.151	1.131	1.065	1.104	101
	•520	1.079	1.259	1.226	1.129	1.160	1.154	.520 .540	1.047	1 • 482	1.225	1.346	1.183	1.1
	•540	1.119	1 • 443 • 604	1.460	1.545	1.393	1.276	• 710	1.168	0594	1.466	1.568	1.445	1.2
	•710 •740	1.133	.759	1.522	1.545	1.398	1.274	.740	1.116	• 759	1.467	1.482	1.374	1.03
- 1	.760	1.115	.833	1.485	1.401	1.403	1.283	.760	1.105	. 833	1.416	1.401	1.368	103
	.780	1.128	.874	1.384	1.349	1.366	1.278	.780	1.120	e 882	1.300	1.338	1.320	103
	.800	1.097	.886	1.278	1.264	1.340	1.281	.800	1.093	o 894	1.190	1.225	1.290	102
	.850	1.090	1.010	1.080	1.095	1.267	1.243	ø 85 O	1.091	1.027	1.021	1.050	1.224	102
	900	1.117	1.072	1.096	1.041	1.218	1.217	• 900 • 950	1.130	1.104	1.003	1.006	1.230	102
	.,,,,					2000	14127							
	•560	1.696	1.802	1.721	1.664	1.625	1.588	•560 •580	1.885	1 . 835	1.738	1.712	1.677	
ы	.600	1.647	1.819	1.765	1.675	1.630	1.577	.600	1.844	1.864	1.780	1.720	1.690	1.
pper	•620	1.626	1.814	1.749	1.652	1.634	1.549	.620	1.826	1.857	1.757	1.707	1.705	100
5	.640	1.594	1.791	1.709	1.626	1.620	1.494	. 640	1.793	1.837	1.722	1.693	1.716	
	.660	1.588	1.763		1.608	1.615	1.446	.660	1.782	1 . 824		1.697	1.733	10
D	.680	1.568	1.728	1.665	1.624	1.592	1.404	• 680	1.749	1.792	1.696	1.711	1.738	10
	•690	1.567	1.733	1.686	1.533	1.582	1.419	o 690	1.743	1.802	1.728	1.631	1.732	1 0 5
	•560		1.845	1.841				•560		1.910	1.877			
	•580		1.873	1.845	1.682	1.899	1.413	• 580		1. 912	1.879	1.724	2.009	10
rer	•600		1.899	1.853	1.692	1.707	1.450	•600		1.908	1.888	1.735	1.722	10
W(	•620 •640		1.838	1.842	1.700	1.136	1.526	.640		1.882	1.862	1.746	1.055	10
Low	.660		1.745	1.635	1.598	•931	1.504	.660		1.753	1.623	1.653	.945	10
	.680		1.644	1.383	1.413	1.167	1.396	. 680		1.544	1.365	1.476	1.257	1.
	•690		1.725	1.507	1.451	1.428	1.361	a 690		1.677	1.526	1.517	1.533	10
	•560		1.021	1.091	1.065	1.023	1.157	a 560		1.089	1.142	1.122	1.107	1.
	.580		1.248	1.206	1.150	1.230	1.149	●580		1 • 295	1.232	1.190	1.304	1.
SI	.600		1.341	1.358	1.351	1.329	1.170	.600		1.374	1.389	1.392	1.398	10
odd	.620		1.320	1.341	1.273	1.281	1.099	• 620		1.330	1.375	1.303	1.338	10
5	.640		1.251	1.215	1.166	1.197 .984	1.000 .801	• 640		1 · 256	1 · 215 · 955	1.196	1.245	10
	.660 .680		•965 •700	•949 •758	.753	.841	.668	.680		. 698	.781	.779	.878	
QQU	•688		•625	•701	.746	.819	.645	• 688		.629	• 732	.768	.858	
	E	1 244	2.237	1.212	1.252	1.370	1.277	- 540	1.216	2, 152	1.284	1.304	1.348	1.
	•560	1.244	2.217	1.313	1.353	1.381	1.277	• 560 • 580	1.215	2 · 153 2 · 247	1.304	1.335	14356	10
		1.192	2 • 456	1.366	1.406	1.383	1.273		1.173	2 • 341	1.334	1.357	1.361	10
I.		1.203	1.934	1.408	1.420	1.392	1.269	e 620	1.182	1 . 825	1.383	1.434	1.368	10
wer	•620					1.393	1.264	a 640	1.180	• 997	1.414	1.434		10
0	.640	1.200	1.058	1.6441	1.464									
Lower			1.058 .799 .774	1.517	1.480	1.396	1.265	.660 .680	1.205	• 777 • 761	1.488	1.477	1.374	102

TABLE 16 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{\rm S} = -0.080 \, \rm c; \, \delta_{\rm d} = -0.06000 \, c\right]$  = 20 °  $\alpha = 22$  °

				$\alpha = 20^{\circ}$							a = 22 °			
			Pressure	coefficier	nt Cp a	at $\frac{y}{b/2} = -$	-		I	Pressure	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.50	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	-	0,10	0.00	1 0.00	0.10	0.00	0.01		0.10	0,00	0.00	0.10	0.00	0.01
	•000	1.077	1.364	1.151	1.805	1.380	1.659	.000	1.150	1.465	1.267	1.878	1.560	1.697
	.010 .030	1.890	1.850	1.821	1.731	1.668	1.636	•010	1.871	1.877	1.859	1.781	1.742	1.668
	•050	1.876	1.843	1.816	1.748	1.667	1.648	.050	1.879	1.879	1.859	1.783	1.738	1.672
	•075	1.876	1.845	1.817	1.747	1.670	1.653	• 075	1.882	1.886	1.865	1.792	1.742	1.682
	•100 •150	1.883	1.847	1.816	1.745	1.670	1.663	•100 •150	1.883	1.889	1.859	1.790	1.739	1.689
	.200	1.897	1.859	1.833	1.761	1.687	1.693	•200	1.905	1.900	1.874	1.802	1.756	1.721
	•250 •300	1.905	1.864	1.845	1.773	1.700	1.713	• 250	1.909	1.907	1.880	1.808	1.765	1.741
S4	•350	1.907	1.873	1.869	1.794	1.715	1.766	• 350	1.912	1.910	1.887	1.813	1.766	1.778
Upper	•400 •450	1.912	1.874	1.861	1.794	1.719	1.779	• 400 • 450	1.914	1.910	1.882	1.807	1.762	1.790
D.	•500	1.906	1.848	1.857	1.780	1.702	1.785	•500	1.907	1.892	1.863	1.799	1.746	1.780
	•520 •538	1.901	1.833	1.785	1.738	1.667	1.710	•520	1.900	1.879	1.820	1.771	1.732	1.722
	•710	1.782	1.659	1.768	1.728	1.645	1.671	•538	1.779	1.870	1.529	1.462	1.470	1.463
	•720	1.762	1.665	1.507	1.427	1.405	1.437	.720	1.765	1.727	1.526	1.459	1.466	1.455
	•740	1.747	1.662	1.512	1.437	1.415	1.444	•740	1.736	1.753	1.532	1.469	1.476	1.461
	.780	1.693	1.670	1.518	1.448	1.427	1.448	.780	1.683	1.738	1.538	1.480	1.482	1.466
ace	.800 .850	1.656	1.648	1.519	1.448	1.427	1.447	.800 .850	1.652	1.723	1.540	1.485	1.488	1.461
Surface:	•950	1.443	1.563	1.495	1.442	1.418	1.416	. 950	1.492	1.587	1.516	1.474	1.500	1.436
	1.000	1.371	1.034	1.456	1.422	1.419		1.000	1.436	1.073	1 . 464	1.455	1.475	1.403
/ing	•010	•027	•353	•372	•382	.407	•560	.010	.019	•374	•398	•402	.430	•577
W	•030	•103	•300	•364	•383	.415	•640	• 030	.082	• 292	.352	.381	.413	•623
	•050 •075	•191 •277	•339 •389	•396 •454	.429 .474	• 497 • 517	•727 •828	•050	.166 .249	.319	• 375 • 421	. 423 . 454	. 482 . 492	•707 •797
	.100	• 340	•436	•500	.537	•587	.887	•100	.310	.404	. 464	.504	•552	.860
	•150 •200	• 454	•530 •614	•595 •657	.619 .695	•667 •753	.969 1.039	•150	•420 •484	• 496 • 578	.559 .618	.592 .666	•637 •724	1.017
	.250	• 595	•682	•731	.765	.812	1.068	•250	.555	. 645	.693	.734	.791	1.053
	•300 •350	•687 •788	•759 •837	.802 .853	.813 .870	.873 .922	1.100	• 300	.649 .747	• 722 • 801	• 766 • 825	• 788 • 852	.849 .906	1.087
Lower	•400	.861	.944	.965	.921	.962	1.154	• 400	.814	.908	.934	.906	•957	1.142
2	•450	• 956	•975	•986	.984	1.014	1.168	• 450	.914	• 955	• 968	•978	1.019	1.162
- "	•500 •520	1.008	1.123	1.218	1.062	1.096	1.207	•500	•970	1.112	1.110	1.064	1.22	1.210
	•540	1.068	1.460	1.471	1.351	1.455	1.314	•540	1.034	1.473	1.485	1.376	1.514	1.324
	•710 •740	1.165	•584 •753	1.430	1.557	1.377	1.341	•710	1.136	• 571	1.346	1.527	1.360	1.336
	.760	1.108	.832	1.351	1.364	1.329	1.352	.760	1.085	.828	1.225	1.315	1.303	1.331
	•780 •800	1.129	•875 •891	1.229	1.296	1.279	1.333	• 780 • 800	1.107	. 869 . 887	1.034	1.235	1.247	1.299
	.850	1.111	1.027	.994	1.001	1.183	1.231	•850	1.099	1.029	.964	• 966	1.159	1.172
	•900 •950	1.161	1.203	1.010	.994 1.098	1.207	1.199	• 900 • 950	1.157	1.116	1.024	• 995	1.145	1.153
	.,,,,	10220	10203	10130	10070	10201	10240	8 9 9 0	1.229	1.218	1.152	1.119	1.218	1.229
	•560 •580	1.910	1.815	1.757	1.720	1.681	1.705	•560 •580	1.916	1.869	1.802	1 774	1 750	. 201
er	•600	1.899	1.835	1.777	1.729	1.692	1.705	•600	1.896	1.882	1.815	1.774	1.752	1.736
.i	•620	1.894	1.831	1.766	1.735	1.710	1.695	•620	1.891	1.880	1.809	1.779	1.783	1.746
ace	•640	1.881	1.818	1.741	1.740	1.728	1.664	•640	1.873	1.865	1.795	1.783	1.807	1.733
Inf	•680	1.844	1.793	1.723	1.750	1.763	1.614	•680	1.835	1.859	1.788	1.798	1.850	1.718
r surface: Upper	•690	1.836	1.796	1.740	1.687	1.763	1.637	• 690	1.826	1.859	1.795	1.745	1.857	1.738
Spoiler	•560		1.900	1.902	1 7.5	2 010	1	•560		1.954	1.931			
Spoi	•580 •600		1.903	1.900	1.745	2.048	1.551	•580 •600		1.958	1.931	1.786	2 • 167 2 • 147	1.580
	•620		1.917	1.940	1.772	1.684	1.664	.620		1.971	1.975	1.813	1.689	1.704
Low	•640		1.868	1.865	1.765	1.001 .955	1.701	.640 .660		1.888	1.894	1.805	• 984	1.742
	.680		1.398	1.352	1.513	1.289	1.672	.680		1.424	1.623	1.714	1.006	1.604
	•690		1.608	1.535	1.557	1.557	1.566	.690		1.671	1.573	1.605	1.634	1.632
	•560		1.109	1.162	1.165	1.144	1.393	• 560		1.164	1.231	1.220	1.246	1.464
1	•580		1.299	1.245	1.215	1.328	1.267	• 580		1.338	1.274	1.253	1.403	1.294
obe.	•600 •620		1.372	1.400	1.414	1.413	1.278	•600 •620		1.405	1.426	1.453	1.483	1.303
uce	•640		1.233	1.218	1.209	1.253	1.096	• 640		1.251	1.232	1.234	1.308	1.110
surface: Up	•660 •680		•929 •692	•956 •786	•933 •792	1.034 .895	.880 .740	•660 •680		• 947 • 717	.959 .801	•950 •820	1.080	.898 .757
	•688		•636	•747	.785	.866	.716	.688		.667	.774	.807	.916	.726
ector	•560	1.196	2.060	1.270	1.274	1.319	1.313	.560	1.159	1.942	1.242	1.251	1.202	1.290
	•580	1.154	2.126	1.289	1.302	1.326	1.311	•580	1.123	1.962 2.017	1.242	1.251	1.303	1.283
Defl		1.161	2.194	1.319	1.324	1.330	1.305		1.127	2.058	1.346	1.293	1.317	1.279
Low	.640	1.174	•938	1.405	1.399	1.342	1.301	.640	1.140	•901	1.376	1.369	1.322	1.279
	•660 •680	1.201	•756	1.468	1.586	1.340	1.310		1.168	•746	1.408	1.560	1.321	1.296
		1.165	•648	1.492	1.512	1.349	1.321	.688		.638	1.408	1.560	1.331	1.305

TABLE 16 .- PRESSURE COEFFICIENTS - Concluded

 $\left[\delta_{\rm S}=\text{-0.080 c};\;\delta_{\rm d}=\text{-0.06000 c}\right]$ 

				= 23							α = *		17	
	/-		Pressure	coefficien	t C <sub>p</sub> at	$\frac{y}{b/2} = -$	-	17/2	P	ressure o	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.9
	000	1 226	1.608	1.424	2.040	1.270	1.750	.000						
	.000	1.236	1.986	1.963	1.873	1.383	1.726	.010						
	.030	1.954	1.994	1.966	1.879	1.381	1.732	.030						
	•050	1.961	2.005	1.970	1.887	1.383	1.741	• 050						
	•075	1.963	2.010	1.970	1.887	1.383	1.745	• 075						
	•100 •150	1.961	2.010	1.966	1.887	1.382	1.751	.100 .150						
	•200	1.985	2.020	1.982	1.896	1.392	1.783	.200						
	.250	1.989	2.036	1.985	1.904	1.397	1.804	. 250						
	.300	1.989	2.042	1.986	1.905	1.400	1.823	. 300						
4	.350	1.979	2.043	1.983	1.901	1.403	1.851	• 350 • 400						
opper	• 400 • 450	1.981	2.040	1.971	1.890	1.402	1.859	.450						
5	•500	1.964	2.024	1.928	1.849	1.386	1.805	.500						
	.520	1.949	2.016	1.920	1.861	1.377	1.782	.520						
	•538	1.957	2.013	1.913	1.858	1.374	1.760	•538						
	.710	1.765	2.135	1.595	1.505	1.303	1.490	•710 •720						
	•720	1.765	2.104	1.593	1.502	1.147	1.489	.740						
	•740 •760	1.704	2.121	1.611	1.518	1.153	1.486	.760						
	.780	1.692	2.013	1.618	1.525	1.155	1.490	.780						
	.800	1.657	1.944	1.624	1.528	1.157	1.489	.800						
	.850	1.595	1.756	1.617	1.471	1.162	1.498	· 850						
Ι,	•950	1.498	1.614	1.567	1.520	1.174	1.471	1.000						
1	.000	1.452	1.119	1.492	1.500	1.164	1:450	1.000						
	•010	.016	•402	•426 •351	•425 •381	1.166	.597 .629	.010 .030						
	.030 .050	• 155	.293 .314	•359	.430	.314	.716	.050						
	.075	.239	.348	•400	.437	•377	.805	.075						
	.100	.300	.392	.441	. 496	.368	.869	.100						
	.150	.411	• 479	.531	.574	.414	• 960	• 150						
	• 200	• 473	• 565	•597	•652	• 479	1.026	• 200						
	• 250	• 548	•634	.672 .745	.729 .783	•547 •598	1.067	• 250 • 300						
.	•300 •350	•639 •734	•714 •794	.808	.849	.646	1.131	.350						
ler	.400	.801	.904	.925	.909	.695	1.164	• 400						
Lower	.450	.904	.960	.964	.988	.737	1.188	. 450						
	•500	.964	1.132	1.124	1.084	.789	1.236	• 500						
	•520	• 986	1.273	1.243	1.176	.940	1.355	•520 •540						
	•540 •710	1.027 1.123	1.525 .573	1.535	1.421	.722	1.358	.710						
	.740	1.085	• 756	1.182	1.355	1.036	1.350	.740						
	.760	1.079	.835	1.100	1.251	.998	1.337	.760						
	.780	1.102	.879	1.010	1.169	•990	1.296	• 780						
	.800	1.077	.898	•970	1.063	• 943	1.256	• 800						
	.850	1.098	1.039	.967 1.052	.953 1.015	•922 •878	1.159	• 850 • 900						
	•900 •950	1.154	1.233	1.187	1.147	.875	1.241	. 950						
	F ( 0	1 027	2 004	1.909				• 560						
	•560 •580	1.937	2.004	1.909	1.856	.116	1.810	•580						
er	.600	1.894	2.016	1.916	1.864	1.392	1.823	• 600						
Upper	.620	1.879	2.016	1.915	1.864	1.404	1.829	.620						
2	.640	1.846	2.005	1.906	1.869	1.424	1.825	.640						
1	•660 •680	1.836	1.997	1.903	1.878	1.446	1.828	•660						
	.690	1.808	1.999	1.905	1.823	1.491	1.847	.690						
	- E 4 0		2.070	2.013				• 560						
er.	•560 •580		2.078	2.013	1.864	.081	1.628	•580						
12	.600		2.105	2.031	1.881	1.722	1.694	• 600						
Lower	.620		2.071	2.063	1.901	1.700	1.763	•620						
2	.640		1.902	1.982	1.889	1.308	1.803	• 640						
	.660		1.569	1.692	1.783	•762 •795	1.759	•660 •680						
	.680 .690		1.569	1.657	1.650	1.081	1.707	•690						
			1.258	1.334	1.295	1.010	1.539	• 560						
	•560 •580		1.416	1.335	1.322	1.005	1.337	• 580						
per	.600		1.493	1.493	1.515	1.112	1.336	.600						
dd	.620		1.333	1.467	1.413	1.173	1.252	.620 .640						
2	•640		1.022	1.275 .990	1.287 .989	1.116	1.139 .925	•640						
	.660 .680		•782	.838	.848	.846	•777	•680						
Opp	.688		•733	.823	.841	.741	•753	• 688						
2	•560	1.149	1.913	1.237	1.254	1.184	1.305	•560						
wer	.580	1.114	1.959	1.256	1.280	.991	1.293	.580						
L G	.600	1.117	1.965	1.282	1.293	.999	1.288	•600						
10	•620	1.132	1.480	1.346	1.307	1.005	1.284	.620 .640						
B	•640	1.130	.891 .756	1.346	1.364	1.005	1.293	.660						
Lower			0 1 2 0			1.002	1.322	.680						
0	•660 •680	1.212	.741	1.320	1.525	10002	10022	1 0000						

TABLE 17 .- PRESSURE COEFFICIENTS  $\delta_{s} = -0.100 \, c; \, \delta_{d} = -0.07500 \, c$ 

Si Si	.000 .010 .030 .050 .075	0.15 1.892 .580	0.30	0.50	0.70	b/2 0.85	0.07	x/c	-	0.30	oefficient		$\frac{y}{b/2} = -$	0.
	•010 •030 •050 •075	1.892		0.50	0.10				0.15		0.50	0.70	0.00	
	•010 •030 •050 •075					0.00	0.97	-	0.10	0.00	0.00			
	.030 .050 .075		2.790	2.536	2.347	1.538	1.134	.000	.535 .816	1.484	3.197	2 • 455	1.839	10
	.050 .075		• 434	•387 •529	.348 .482	• 379 • 497	•511 •691	•030	.912	. 831	.674	.565	•572	
	.075	• 743 • 811	•629 •702	•602	.552	•558	.781	.050	. 946	. 866	• 732	.629	.637	
	.100	.816	.750	•646	.601	.607	.842	• 075	.930	. 884	.764	•674 •708	•689 •723	
		.845	•779	•678	•642	0644	•885	•100 •150	• 946 • 958	. 903 . 906	• 784 • 792	.735	0764	
	•150 •200	.882 .891	.803 .815	•702 •711	.679 .691	.699 .713	•925 •940	.200	.961	. 896	.781	0734	.770	
	• 250	.911	.805	.694	.691	.726	.947	• 250	.976	. 874	•758	.724	• 765	
er	.300	.895	.785	.683	.677	•722	.943	• 300 • 350	. 954	o 844	• 725 • 674	.705 .660	• 754	:
Ψ.	•350	. 893	• 747	•636 •576	.648 .594	.704 .667	•932 •903	.400	.926	. 707	.603	.601	•677	
do	•400	.885 .862	.671 .551	.488	•525	.609	.864	. 450	.901	.582	.510	.531	.615	
	.500	.857	.391	.413	.447	.524	.824	• 500	.889 .875	• 413 • 389	• 421 • 405	. 452 . 451	o529	
	•520	.846	•373	•404	•461	•507 •531	.821 .831	•520 •538	.913	• 422	.401	0465	.529	
	•538	.883 1.418	.408 2.041	1.568	1.413	1.471	1.439	•710	1.447	2.103	1.657	1 . 469	1.625	1
	.720	1.460	1.989	1.535	1.392	1.417	1.414	•720	1.492	2.103	1 . 654	1 0 462	1.645	10
	.740	1.508	2.059	1.576	1.426	1.449	1.448	.740	1.538	2.109	1.664	1.473	1.648	1
	•760	1.522	2.073	1.592	1.430	1.437	1.462	.780	1.600	2.122	1.676	1.481	1.560	1
	.800	1.560	2.086	1.608	1.447	1.392	1.501	.800	1.566	2.106	1.683	1.480	1.527	14
	.850	1.460	1.906	1.647	1.454	1.391	1.520	.850	1.511	1.999	1.702	1 . 486	1.492	10
	.950	1.255	1.352	1.442	1.230	1.079	1.251	• 950	1.298	1.607 .827	.925	1.423	1.309	10
1	.000	1.165	.741	•645	1.210	1.031	1.104	1.000	1.241	0021	0723	10423	2000	-
2			1 057	2.050	2.263	1.694	1.633	.010	1.256	1.495	1.821	2.150	1.960	1
?	•010	1.627	1.625	1.932	2.209	1.621	1.573	.030	1.156	1.363	1.577	1.864	1.726	10
	.050	1.313	1.485	1.824	2.136	1.645	1.616	• 050	1.135	1.374	1.478	1.719	1.679	10
	.075	1.263	1.411	1.729	2.134	1.629	1.581	• 100	1.128	1.274	1.460	1.548	1.484	1
	.100	1.258	1.378	1.608	1.703	1.571	1.513	.150	1.199	1.315	1.376	1.411	1.371	1
	·150 •200	1.307	1.411	1.415	1.501	1.441	1.342	.200	1.161	1.336	1.306	1.342	1.317	1
	•250	1.260	1.382	1.384	1.389	1.388	1.334	• 250	1.179	1.320	1.304	1.302	1.265	14
	.300	1.350	1.391	1.360	1.319	1.327	1.319	• 300	1.333	1.338	1.260	1.217	1.184	1
H	•350	1.386	1.387	1.317	1.279	1.279	1.306	.400	1.366	1.370	1.266	1.167	1.144	1
Lower	•400	1.426	1.394	1.315	1.226	1.164	1.271	. 450	1.408	1.286	1.187	1.118	1.102	1
3	.500	1.440	1.310	1.207	1.136	1.147	1.313	.500	1.400	1.315	1.183	1.087	1.086	1
	.520	1.434	1.370	1.228	1.150	1.173	1.322	• 520	1.394	1.374	1.217	1.096	1.111	1
	.540	1.448	1.500	1.342	1.219	1.236	1.324	•540	1.412	1.518	1.364	1.638	1.578	1
	•710	1.746	2.150	1.729	1.679	1.657	1.679	.740	1.656	2.182	1.761	1.641	1.586	1
	•740	1.730	2.108	1.791	1.707	1.663	1.644	.760	1.630	2.120	1.787	1.642	1.596	1
	.780	1.716	2.075	1.816	1.713	1.657	1.602	• 780	1.616	2.070	1.803	1.641	1.599	1
100	.800	1.621	1.942	1.843	1.724	1.649	1.584	. 800 . 850	1.533	1.405	1.842	1.628	1.583	1
	.850	1.415	1.477	1.837	1.678	1.543	1.514	.900	1.343	1.071	1.839	1.620	1.559	1
	•900	1.319	1.134	1.628	1.399	1.182	1.305	. 950	1.299	1.021	1.782	1.529	1.416	1
								.560	.968	. 324	.393			
	•560	• 945 • 989	•338 •256	•409 •385	.444	.513	.804	.580	1.012	• 249	.370	.439	.505	
H	.600	1.072	•328	•400	.458	.551	.818	.600	1.091	.338	.408	. 453	•547	
dd	.620	1.161	.427	.469	.499	.622	.842	. 620	1.343	• 450 • 534	. 482 . 569	• 495 • 570	•606	
D	.640	1.224	•518	•548	.569	•704 •799	.865 .904	• 640 • 660	1.243	. 648	0207	.643	.800	
Igr	•660	1.348	.632 .876	.894	.645 .848	1.062	1.051	.690	1.441	. 903	.928	.880	1.075	1
Upper	.680	1.378	•779	.783	.763	.919	0967	.680	1.404	. 805	.810	•773	.921	
10	•560		1.836	1.597				.560		1.875	1.646			
Spoiler	•580		1.862	1.647	1.421	1.235	1.403	•580		1.914		1.390	1.136	1
S. P.	.600		1.904	1.661	1.428	1.213	1.462	.600 .620		1.940	1.671	1.406	1.116	1
Lower	•620		1.914	1.647	1.380	1.244	1.451	.640		1.882	1.680	1.408	1.275	1
3	•640		1.834	1.519	1.190	1.278	1.366	.660		1.727	1.586	1.374	1.321	1
	.690		1.136	1.134	1.077	1.225	1.249	.690		1.290	1.285	1.210	1.308	1
	.680		1.386	1.186	1.109	1.262	1.298	• 680		1.425	1.380	1.281	1.347	1
	.560		.468	•579	•564 •811	.983 1.096	•989	.560		.481	. 466	.410	.630	
	•580		.826	.860			1.221	.580 .600		1.030	.982	. 893	1.211	1
per	•600		1.022	1.107	1.006	1.267	1.293	•620		1.086	1.072	.938	1.274	1
Jpr	.620 .640		1.077	1.107	1.006	1.335	1.199	. 640		1.126	1.016	.912	1.345	1
ac	.660		.977	•932	.867	1.229	1.025	.660		• 995	• 932	•850	1.225	
surface: Upp	.680		.697	.680	.647 .575	1.102	•799 •708	.680 .688		• 700 • 594	.645 .527	•588	•961 •811	
r s	•688		•592	•581										
lector	•560 •580	1.531	2.202	1.622	1.676	1.664	1.651	•560 •580	1.509	2.213	1.610	1.614	1.562	1
	.600		2.204	1.660	1.683	1.663	1.692	• 600	1.448	2.210	1.642	1.628	1.566	1
Defl	.620	1.502	2.197	1.679	1.678	1.649	1.695	.620	1.474	2.217	1.666	1.633	1.570	1
Lower	.640	1.535	2.207	1.706	1.683	1.649	1.702	.640 .660		2.223	1.698	1.639	1.572	1
1	•660	1.617	2.188	1.728	1.680	1.641	1.661	.680		2.191	1.726	1.643	1.573	î
	•680	1.743	2.154	1.719	1.645	1.623	1.671	.688		2.175	1.728	1.638	1.576	1

TABLE  $^{17}$  .- PRESSURE COEFFICIENTS - Continued  $\left[ \delta_{_{\rm S}} = ^{-0*100} \text{c}; \; \delta_{_{\rm d}} = ^{-0*07500} \text{c} \right]$ 

Pressure coefficient Cp  $\frac{y}{b/2} = -$ Pressure coefficient Cp at  $\frac{y}{b/2} =$ at x/c 0.85 0.97 0.15 1.473 .493 .696 1.287 . 000 1.177 1.081 1.043 .541 .678 .848 .010 1.552 1.516 .831 .804 .924 .798 .010 1.169 1.029 1.106 1.201 .908 .904 1.010 .880 .050 1.015 .733 .748 .900 .050 1.275 1.011 .075 1.150 -906 .911 1.004 .762 .784 .931 .075 1.051 1.005 .887 1.006 1.012 889 .778 .803 4952 .100 1.164 1.138 . 996 .100 1.074 966 . 150 1.142 . 944 . 884 .905 .980 .871 .150 1.055 .200 1.109 . 896 854 .878 .978 1.036 .956 .952 .841 .771 .820 .807 .809 .808 .949 . 250 1.099 .978 .843 1.036 .250 .795 .715 .788 .938 .300 1.056 . 934 .766 .808 4929 .715 1.002 .300 .883 .758 .718 .772 .910 . 859 .824 .697 668 .754 .908 .350 1.031 .350 . 400 . 450 1.003 ·613 - 746 . 638 .702 -864 .400 .967 .724 .617 .615 .816 .450 931 .575 .515 ·528 .626 .849 •531 •519 .785 .796 •500 •520 . 482 .429 .449 .448 .940 .508 .508 .534 .763 .439 .500 .914 •528 •576 .924 -510 - 485 •520 •538 .900 .443 .419 .542 .812 . 515 .455 1.459 1.458 .487 .422 . 527 .809 .538 . 955 .710 .720 1.479 1.437 1.460 1.898 1.611 1.510 1.472 .710 1 . 449 1.988 1.635 1.500 1.510 1.493 1,992 1.635 1.554 1.439 1.487 1.495 1.504 1.464 1.464 1.468 1.445 1.450 1.455 1.551 1.514 1.639 - 740 1.543 1.903 1.613 1.537 .740 .760 1.565 1.907 1.616 1.514 •760 •780 1.559 1.998 1.640 2.005 1.646 1.555 1.920 1.518 1.522 1.495 1.620 1.468 1.595 2.005 1.560 1.456 . 800 1.651 .800 1.584 1.501 . 850 1.585 1.895 1.636 1.519 1.538 1.553 1.467 1.952 1.469 .850 1.561 1.666 1.627 1.498 1.465 1.483 1.436 1.407 1.437 . 950 1.418 1.373 950 1.478 1.000 1.359 1.014 1.000 1.330 .908 1.171 ing .975 1.297 1.320 .807 1.772 1.608 .010 .716 1.350 1.119 -010 4960 1.256 1.144 .793 .845 . 893 1.210 B .962 1.119 1.404 1.270 1.442 1.055 1.196 1.267 1.197 1.296 1.378 1.488 .050 .050 1.179 1.242 .075 .883 . 992 1.135 993 1.127 1.289 1.029 1.091 1.194 1.152 1.162 .922 1.021 1.146 1.219 1.300 1.317 1.204 .100 1.165 1.129 . 150 1.153 1.016 1.120 1.111 1.262 .150 1.212 1.131 .200 1.012 1.174 1.129 1.169 1.138 1.247 1.150 1.207 1.218 1.223 1.176 1.117 1.190 1.129 - 250 1.046 1.180 1.163 1.226 .250 1.111 1.191 1.148 .300 1.166 1 . 224 1.151 1.101 1.225 1.271 1.246 1.167 1.163 1.116 1.091 1.089 1.101 1.136 . 350 1.235 1.251 .350 1.284 Lower 1.194 .400 1.292 1.099 1.067 1.084 .400 .450 1.325 1.322 1.232 1.099 1.100 1.072 1.126 1.067 1.067 1.094 . 450 1.336 1 . 222 •500 •520 1.342 1.055 1.072 1.262 1.141 1.038 1.018 .500 1.372 1.282 1.157 1.029 1.321 1.181 1.061 1.062 1.072 1.343 1.368 1.195 1.050 1.085 1.088 1.350 1.173 1.149 1.277 1.161 1.273 - 540 1.366 1.465 .540 1.387 .710 1.556 2.254 1.888 1 . 682 1.584 1.599 •710 •740 1.604 2.199 1.804 1.607 1.606 1.681 1.584 1.896 1.610 1.580 1.567 1.438 1.411 1.345 1.874 1.644 1.307 .760 1.954 1.609 1.586 1.571 2 . 065 1.678 1.589 .760 1.518 2.106 2.063 1.677 1.590 1.619 1.503 2.022 1.964 1.607 1.587 1.575 2.058 1.592 1.670 1.795 1.594 1.575 . 800 1.967 .800 1.310 .916 1.967 1.637 1.573 1.594 .850 1.370 1.588 1.212 1.912 1.580 1.534 .850 1.557 1.574 1.582 1.509 . 900 1.336 .900 1.531 . 950 1.351 1.105 1.694 1.566 1.519 1.742 1.028 .950 1.366 •512 •487 •471 •487 1.008 1.053 1.136 •514 •403 •335 .560 .987 1.028 ·419 ·417 .560 •773 •753 •790 .464 .508 • 465 • 501 •523 •583 1.105 • 326 • 424 •411 •478 ·457 .600 .541 .607 .821 .620 1.221 .398 .620 . 546 .567 . 684 . 854 1.282 .495 .871 . 640 1.250 .519 .563 .558 .698 1.393 1.423 1.454 .927 .660 . 60B ·650 ·777 .925 .639 .660 1.375 ·625 •756 •837 .785 .764 .680 1.404 .765 .918 . 853 .892 1.140 1 . 441 .690 .861 .892 .878 1.077 1.119 .690 1.825 1.677 1.852 1.674 .560 1.422 1.388 1.373 .580 .580 1.888 1.702 1.431 1.465 .600 1.093 1.920 1.696 1.376 1.437 1.108 1.196 .620 1.914 .620 . 640 1.822 1.679 1.454 1.314 1.543 1.521 .640 1.856 1.693 1.398 1.295 1.446 1.365 1.561 1.392 1.343 1.539 . 660 1.630 1.673 .660 . 680 1.279 1.236 1.403 1.538 .680 1.340 1.296 1.315 1.279 1.358 1.501 1.173 1.128 1.237 1.195 1.242 1.339 1.478 .690 .690 · 423 .454 .375 -497 ·438 .505 .370 .462 456 .844 .656 . 841 .758 .580 .580 . 964 1.024 .964 1.051 .868 .920 .895 1.202 .881 .948 .926 .600 .600 .620 1.002 .973 .846 1,199 .919 1.056 1.054 .897 1.282 978 .620 1.356 951 . 640 1.072 1.002 1.374 1.096 .640 .917 . 660 . 950 . 847 1.244 .851 .963 .683 .660 .926 .826 .878 ·925 ·895 .630 .521 .576 .593 .680 .680 .507 . 688 .574 .521 .517 .688 .582 2.474 2.474 2.495 1.480 1.406 1.404 1 . 640 1.622 1.558 ·560 •580 1.635 1.557 •560 •580 1.499 2.263 1.731 1.656 1.579 1.567 1.422 1.687 .600 2.256 1.586 1.563 1.510 1.573 1.567 1.521 .620 1.423 2.518 1.780 1.666 2.267 .620 1.440 1.580 2.485 1.836 1.689 1.582 1.466 2.268 1.771 1.610 1.571 1 . 924 1.686 1.585 1.609 1.570 2 426 2.258 1.834 1.537 .660 .660 1.543 .680 1.624 2.319 1 . 926 1.692 1.582 .680 1.655 2.219 1.831 1.934 1.679 1.587 1.592 .688 1.163 2.200 1.839 1.610 1.577

-680

.688

1.585

1.152

1.996

1.961

1.969

1.689

1.570

1.571

1.569

TABLE 17 .- PRESSURE COEFFICIENTS - Continued

δ<sub>S</sub> = -0.100 c; δ<sub>d</sub>= -0.07500 c Pressure coefficient  $\frac{y}{b/2} = -$ Pressure coefficient at at 0.30 0.85 0.70 0.85 0.97 0.15 0.50 0.97 .482 2.007 1.563 .000 .010 .030 •329 1•470 1•317 .306 2.137 .539 1.681 1.377 1.247 2.456 2.169 1.771 3.296 1.332 1.573 1.666 .010 1.101 .030 1.609 1.350 1.108 1.178 1.503 1.275 .050 1 . 453 1.411 1.238 1.049 1.067 1.098 . 050 1.655 1.274 1.148 1.018 1.042 1.053 .075 1.480 1.483 1.432 1.211 1.215 .075 1.322 1.308 1.158 .998 1.000 •100 •150 1.425 1.356 1.278 1.258 1.036 1.376 1.202 1.062 1.156 1.047 1.256 1.000 1.070 .150 1.233 1.166 . 989 .994 1.003 1.182 1.100 .200 .955 .903 .915 .972 .200 1.245 1.041 .845 . 868 . 250 1.124 1.013 492B 4927 4966 .250 1.176 . 944 .935 .874 .875 1.112 1.077 1.044 .786 .300 .300 .985 .827 .819 .908 .739 .875 . 350 1.136 . 985 .824 .830 · 400 •771 •738 ·787 .400 .792 .653 .819 1.097 .822 .883 1.048 .450 .500 •998 •973 -664 4599 .591 .627 .778 .566 .545 •583 •580 .558 .500 .607 .776 1.023 .688 .732 .688 .729 . 845 .520 1.007 .662 .723 .710 .722 .838 .792 .520 . 954 .740 .721 .705 •538 •710 •981 1•446 4532 .580 .576 .630 .816 .538 1.035 1.454 •710 1.492 1.454 1.457 1.464 1.495 1.445 1.827 1.572 1.443 1.832 .720 1 . 484 1.833 1.581 1.458 1.835 1.843 1.849 1.579 1.585 1.587 1.495 1.496 1.499 1.466 1.473 1.482 1.466 1.475 1.476 1.527 .740 1.527 1.831 1.571 1.492 1.457 1.494 1.492 1.495 1.462 1.554 1.837 1.574 1.469 .760 1.550 1.577 .780 1 . 605 1.479 1.494 1.478 1.851 1.579 1.590 1.854 1.590 1.500 . 800 1.591 .800 1.477 1.498 1.470 1.835 1.584 . 850 .850 1.590 1.843 1.596 1.504 1.580 .950 1.000 1.721 1.592 1 . 495 1.465 1.461 1.434 1.352 1.162 1.430 1.565 1.484 1.101 1.000 1.359 ing •693 •775 •904 .793 .678 .906 1.005 .010 .351 .473 .559 . 695 .010 .510 .597 .697 .813 936 .030 .030 ·637 .717 .815 .973 .920 1.069 .981 1.021 .995 1.060 .878 1.056 . 050 .593 ·667 .947 .075 .760 .844 .890 .855 •075 •100 .769 .861 .954 . 816 .878 • 947 .923 1.042 .100 .819 .914 .964 1.049 1.085 1.058 1.002 1.073 .150 .843 4 941 . 962 . 985 .925 1.059 •926 •933 .150 1.026 1.024 964 1.013 . 995 1.073 .200 1.093 1.040 1.082 1.084 1.076 . 250 1.022 1.002 1.112 1.092 1.050 .915 1.045 1.034 .250 974 1.099 1.142 . 300 1.035 1.071 1.041 1.027 1.065 .300 1.157 1.123 1.047 1.020 1.062 1.061 1.197 1.104 1.080 1.049 1.058 .350 1.117 1.174 1.203 1.113 1.033 1.010 1.051 1.036 1.053 . 400 1.167 •400 •450 1.222 1.247 1.153 1.061 1.085 1.043 1.033 1.039 1.189 1.007 . 450 1.245 1.155 1.061 1.025 0993 1.211 1.091 .986 1.026 1.000 .500 1.264 1.003 1.034 1.108 .500 1.300 1.235 1.051 1.301 1.297 1.154 1.033 1.039 1.027 .520 1.269 1.022 1.432 1.259 . 540 1.299 1.414 1.314 1.135 1.249 1.117 1.919 .710 1.557 1.558 1.695 1.571 1.572 .710 1.518 1.918 1.450 1.332 2.034 1.693 1.567 1.579 .740 1.401 1.029 1.713 1.553 1.569 1.580 .760 1.346 . 877 2.107 1.704 1.552 1.557 .760 1.043 1.399 1.548 1.553 1.698 .780 1.369 .894 2.090 1.681 1.566 1.583 .780 1.315 . 813 2.082 2.072 . 800 1.254 .790 2.044 1.687 1.545 1.547 1.563 .800 1.676 1.586 .800 1.302 .850 1.212 .918 1.900 1 . 629 1.515 1.505 1.262 .895 1.949 1.630 1.539 1.542 .850 .900 1.591 1.232 1.033 1.686 .900 1.284 1.018 1.277 1.159 1.462 .950 1.313 1.159 1.626 1.548 1.487 ·579 1.031 1.070 1.143 1.222 .481 .441 .428 .464 •575 •550 •530 •560 •580 .560 .678 .558 .794 .604 .600 •546 •547 .591 •734 •738 .600 1.180 •550 •571 . 684 .679 .696 0794 ·673 •710 •752 .799 .842 .620 .707 .534 .620 . 640 1.278 .533 .574 .582 .662 .796 1.295 .605 0724 670 .738 815 .906 .750 .877 .660 1.382 .628 .643 .902 .690 1.437 .823 .748 .843 .877 1.046 1.112 .690 . 832 .905 1.058 . 822 1.006 .890 . 680 1.413 . 764 .841 .680 1.647 1.774 •560 •580 1.397 .950 1.313 1.366 1.406 1.448 1.476 1.406 1.086 .600 1.854 1.676 1.413 1.088 .600 1.822 1.664 1.207 .620 .640 1.835 1.689 1.420 1.199 1.396 .620 1.435 1.294 .640 1.774 1.648 1.438 1.299 .660 1.478 1.349 1.490 1.526 1.413 1.341 1.435 1.115 .690 1.121 1.097 1.240 1.347 1.442 .680 1.219 1.316 1.386 .680 1.206 1.199 1.311 1.382 1.418 •373 •729 ·459 •472 . 383 .381 -508 . 560 . 362 ·529 ·535 . 846 .580 .720 .657 .657 .580 .858 .911 .881 . 903 . 962 1.011 .855 .905 .882 .835 1.219 1.295 1.363 1.253 .891 .921 .882 •921 •983 .951 1.037 1.203 .861 .912 .600 .620 .955 1.036 1.033 .640 .640 .983 1.367 .892 1.243 .954 .821 .660 .922 .910 .836 818 .910 .817 ·632 ·519 . 680 - 650 1.014 .680 .520 .558 .688 .562 .516 .519 .504 e 688 1.539 1.446 1.377 1.377 1.543 .560 3.028 1.630 •560 •580 2 . 853 1.622 1.550 1.417 1.606 1.633 1.566 1.557 1.352 3.017 .600 3.199 1.761 1.669 1.549 1.546 •620 1.552 3.118 1.819 .620 1.396 2.979 1.811 1.680 1.563 1.564 1.566 1.411 1.569 2.803 1.867 1.699 -640 1.387 2. 786 1.862 1.717 1.562 1.555 1.695 1.452 1.946 1.559 1.557 1.714 1.947 .660 2.495

1.804

1 . 686

1.969

1.712

1.561

1.558

. 680

.688

1.159

TABLE 17 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{\rm S} = -0.100\,{\rm c}; \,\delta_{\rm d} = -0.07500\,{\rm c}\right]$ 

 $\alpha = 8^{\circ}$   $\alpha = 10^{\circ}$ 

	, .	P	ressure c	oefficient	Cp at	$\frac{y}{b/2} = -$		1/0	Pr	essure o
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30
	•000	1.248	• 584	•412	.738	.410	.954	.000	1.142	.809
	.010	4.178	2.063	1.522	1.369	1.339	1.738	.010	3.030	2.058
	.030	3.081	1.973	1.544	1.382	1.312	1.608	• 030	2.987	2.006
	.050	2.069	1.928	1.570	1.377	1.301	1.517	.050 .075	2.886	1.993
	•075	1.676	1.894	1.571	1.351	1.278	1.263	.100	2.322	1.956
	•100 •150	1.600	1.808	1.467	1.255	1.212	1.189	.150	1.880	1.946
	•200	1.414	1.714	1.374	1.196	1.176	1.149	.200	1.632	1.913
	.250	1.373	1.580	1.295	1.152	1.149	1.117	• 250	1.503	1.842
	.300	1.307	1.442	1.216	1.111	1.122	1.092	• 300	1.405	1.614
ы	• 350	1.270	1.311	1.074	1.071	1.091	1.044	• 350 • 400	1.339	1.489
Upper	•400 •450	1.234	1.073	1.023	.996	1.035	1.006	. 450	1.296	1.369
'n	•500	1.156	.943	•975	.920	1.004	.927	.500	1.267	1.249
	.520	1.131	.912	•958	.950	.992	.893	.520	1.240	1.218
	.538	1.150	.911	•938	•936	1.001	.881	.538 .710	1.258	1.200
	.710	1.454	1.873	1.555 1.555	1.441	1.432	1.426	.720	1.417	1.906
	•720	1.486	1.874	1.560	1.443	1.434	1.441	.740	1.452	1.917
	•740 •760	1.523	1.888	1.560	1 . 444	1.438	1.454	.760	1.476	1.922
	.780	1.585	1.901	1.567	1 . 445	1.436	1.464	.780	1.517	1.933
	.800	1.564	1.905	1.574	1.448	1.442	1.471	•800	1.502	1.938
3	.850	1.532	1.861	1.590	1.453	1.446	1.457	. 850 . 950	1.474	1.528
	.950 1.000	1.360	1.627	1.572	1.455	1.434	1.460	1.000	1.251	1.230
A SHI W			•397	•470	•543	.576	.679	.010	.161	.354
3	.010 .030	•220 •370	•502	.594	.661	.673	.837	.030	.288	. 438
	.050	.471	.591	.669	.719	.778	.907	• 050	.386	.518
	•075	.555	.666	.746	.767	.781	.973	.075 .100	.474 .543	o 595
	.100	•625	.733	•782 •870	.823 .877	.845 .887	1.008	.150	.656	. 762
	•150	• 741 • 783	•838 •923	.889	.916	.943	1.058	.200	.717	.841
	•250	. 840	.972	.955	953	.958	1.068	• 250	•777	.900
	•300		1.038	1.003	.967	.979	1.066	• 300	.894	.967
	.350	1.045	1.086	1.003	.980	•988	1.073	• 350		1.030
Lower	.400		1.161	1.069	.973	•984	1.066	• 400	1.038	1.077
Q	•450	1.181	1.119	1.025	.980	.974 .977	1.055	• 450 • 500	1.118	1.155
-1	•500 •520	1.204	1.188	1.069	•969 •993	1.021	1.067	.520	1.161	1.226
- 1	•540	1.249		1.307	1.118	1.243	1.122	.540	1.195	1.382
	.710	1.402	1.073		1.676	1.525	1.503	.710	1.338	• 968
	.740	1.318			1.676	1.519	1.497	• 740	1.254	• 791
	.760	1.263	.789		1.668	1.513	1.496	•760 •780	1.205	•762 •766
	.780	1.235	•780	2.026	1.664	1.511	1.492	.800	1.131	•772
	.800 .850	1.178	.783 .916	1.810	1.587	1.473	1.436	.850	1.099	.902
	.900	1.161	1.015	1.567	1.531	1.447	1.403	• 900	1.131	.993
	.950	1.214	1.129	1.416	1.479	1.428	1.388	• 950	1.195	1.086
	•560	1.180	.819	•921	001	• 969	.743	• 560 • 580	1.275	1.119
S-I	•580	1.198	.850 .821	.905 .889	.901 .897	.958	.762	.600	1.298	1.087
be	.600 .620	1.245 1.298	.810	.883	.881	959	•792	.620	1.324	1.058
e: Upper	.640	1.331	.797	.878	.878	. 966	.841	.640		1.014
Sc	.660	1.416	.796		.891	.987	ø886	.660		.983
surface	.690	1.451	.882	.949	.954 .920	1.105	1.085 .978	.690 .680		. 986 . 988
	•680	1 • 429	.853	•915	. 920	1.020	8770			
Spoiler	•560		1.838	1.646	1.368	.946	1.296	o 560		1.804
00	•580 •600		1.863	1.658	1.380	1.084	1.346	. 600		1.81
e s	•620		1.867	1.681	1.392	1.196	1.376	.620		1.79
Sp Lower	.640		1.740	1.620	1.404	1.290	1.403	o 640		1 . 66
Н	•660		1.495	1.455	1.382	1.333	1.412	. 660		1 . 43
	•690 •680		1.092	1.110	1.208	1.334	1.368	.690 .680		1.12
	•560		•377	•492	•403	• 560	.610	.560		. 37
	•580		.729	.755	.666	.871	.830	.580		.71
er	.600		.915	.960	.848	1.235	•921	•600		88
:e: Upper	•620		.967	1.034	.894	1.300	.932	• 620 • 640		• 94 • 98
Ce	•640		1.022	•984	.865 .826	1.363	.879 .813	. 660		. 88
surface: Up	•660 •680		.921 .659	•630	.597	1.270	.567	.680	)	.63
	•688		•559	•516	•519	. 973	.493	. 688		• 55
Deflector	•560		3.067 3.262	1.556	1.585	1.485	1.490	.560 .580	1.261	2.97
fle			3.283	1.712	1.627	1.512	1.494	.600	1.258	3.18
De	.620	1.330	3.127	1.764	1.639	1.521	1.502	.620	1.279	2.98
Defi Lower	.640	1.342	2.562	1.793	1.674	1.525	1.506	0 640		2 . 35
Н			1.848	1.868	1.672	1.524	1.509	• 680	1.427	1.64
	•680							.688		1.14
	.688									

,	Pi	ressure co	efficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
x/c	0.15	0.30	0.50	0.70	0.85	0.97
.000	1.142	.809 2.058	.540 1.600	.892 1.391	.579 1.337	1.170 1.733 1.744
.030	2.987	2.006	1.596	1.392	1.334	
.050	2.886	1.993	1.604	1.402	1.341	1.562
.075	2.322	1.982	1.606	1.406	1.333	1.393
.150	1.880	1.946	1.600	1.410	1.329	1.365
. 200	1.632	1.913	1.592	1.403	1.315	1.352
• 250 • 300	1.503	1.842	1.580	1.395	1.314	1.312
.350	1.368	1.614	1.503	1.364	1.294	1.286
• 400	1.339	1.489	1.441	1.338	1.274	1.247
• 450 • 500	1.296	1.369	1.390	1.316	1.222	1.131
.520	1.240	1.218	1.297	1.268	1.205	1.103
.538	1.258	1.200	1.261	1.241	1.428	1.076
•710 •720	1.393	1.908	1.529	1.406	1.428	1.407
.740	1.452	1.917	1.537	1.406	1.423	1.418
.760	1.476	1.922	1.539	1.411	1.427	1.441
.780 .800	1.517	1.933	1.547	1.417	1.432	1.462
.850	1.474	1.868	1.573	1.424	1.441	1.435
. 950	1.298	1.528	1.547	1.429	1.433	1.403
1.000	1.251	1.230	1.483	1.497	1.477	1.430
.010	.161 .288	.354 .438	• 390 • 505	. 440 . 555	•519 •604	.620 .770
.050	.386	.518	.578	•615	•704	.858 .930
.075	.543	• 595 • 654	.707	.676 .741	•723 •788	.978
.150	.656	. 762	.800	.805	.842	1.018
.200	.717	.841	.836	.857	.899	1.050
. 250	•777	• 900 • 967	. 892 . 948	.900 .925	•928 •955	1.070
• 300 • 350	.894 .964	1.030	959	. 948	.969	1.076
.400	1.038	1.103	1.025	• 956	.971	1.078
. 450	1.118	1.077	. 996	0971	.962	1.065
•500 •520	1.150	1.226	1.050	0982	.978 1.021	1.065
•540	1.195	1.382	1.312	1.159	1.246	1.123
.710	1.338	. 968	1.782	1.653	1.515	1.449
.740	1.254	• 791	1.918	1.653	1.502	1.447
•760 •780	1.205	•762 •766	1.940	1.636	1.493	1.430
.800	1.131	•772	1.891	1.611	1.485	1.418
.850	1.099	• 902	1.714	1.538	1.454	1.384
• 900 • 950	1.131	1.086	1.343	1.413	1.411	1.348
.560	1.275	1.119	1.251	1 224	1 1/7	•997
.580 .600	1.277	1.087	1.264	1.236	1.167	.986
.620	1.324	1.058	1.228	1.205	1.134	.987
. 640	1.329	1.014	1.186	1.191	1.118	.987
.660	1.377	.983 .986	1.141	1.170	1.120	1.000
.690 .680	1.391	.988	1.136	1.145	1.123	1.038
.560		1.774	1.679	1		1 200
.580 .600		1.818	1.678	1.454	1.084	1.328
.620		1.798	1.689	1.464	1.204	1.359
. 640		1.660	1.620	1.464	1.296	1.391
. 660 . 690		1.430	1.445	1.431	1.346	1.398
.680		1.170	1.220	1.323	1.393	1.369
• 560		. 379	•519 •775	.464 .717	•583 •892	.677 .873
.580 .600		. 716	.979	.903	1.251	.943
. 620	)	.941	1.049		1.313	.937 .882
. 640 . 660		• 981 • 884	. 914	.861	1.284	.817
.680 .688	)	•639 •552	.637	.607	1.139	0578
.560					1.467	1:436
.580	1.261	2.974	1.495 1.576 1.638	1.561 1.578 1.592	1.483	1.437
· 600		3.181 2.988		1.607		
0 640	1.290	2.354	1.710	1.647	1.510	1.452
• 660	1.342	1.643	1.782	1.641		1.454
.680						
. 688	3 1.132	10140				70.1.0

TABLE 17 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.100 \text{ c}; \delta_{d} = -0.07500 \text{ c}\right]$ 

a = 12 0

a = 14 0

_				x = 12 °		. V			_		$\alpha = 14$	C <sub>n</sub> at	У _	-
	x/c		Pressure	coefficien	t Cp a	$t \frac{y}{b/2} = -$		x/c			coefficient		b/2	
		0.15	0.30	0.50	0.70	0.85	0.97		0.15	0.30	0.50	0.70	0.85	0.9
	•000	.000	1.014	•713	1.144	.830	1.228	.000	1.000	1.183	.860	1.328	.961	1.3
	•010	2.271	2.041	1.689	1.499	1.447	1.541	•010	2.127	2.004	1.759	1.554	1.519	1.5
	•030 •050	2.240	1.989	1.675	1.509	1.453	1.519	.050	2.141	2.014	1.737	1.561	1.523	1.5
	.075	2.241	1.987	1.673	1.514	1.463	1.500	.075	2.141	2.020	1.734	1.572	1.527	1.5
	•100	2.228	1.981	1.673	1.513	1.469	1.507	• 100 • 150	2.134	2.022	1.728	1.568	1.528	1.5
	•150	2.177	1.972	1.667	1.528	1.504	1.543	•200	2.104	2.012	1.720	1.587	1.559	1.5
	.250	1.991	1.953	1.667	1.536	1.525	1.557	.250	2.052	2.010	1.724	1.609	1.588	1.6
	•300	1.829	1.918	1.655	1.550	1.538	1.565	•300	1.854	2.004	1.731	1.642	1.646	1.6
E L	•350	1.679	1.854	1.625	1.564	1.538	1.545	.400	1.753	1.934	1.751	1.707	1.659	1.6
Upper	.450	1.479	1.693	1.613	1.567	1.513	1.517	• 450	1.649	1.875	1.751	1.695	1.638	1.6
P	•500	1 . 422	1.559	1.574	1.499	1.459	1.464	•500	1.589	1.802	1.658	1.561	1.535	1.5
	•520 •538	1.381	1.514	1.494	1.425	1.383	1.368	•538	1.533	1.700	1.613	1.487	1.491	104
	.710	1.352	2.065	1.524	1.369	1.471	1.380	•710	1.397	2.061	1.526	1.360	1.444	1.3
	•720	1.383	2.073	1.528	1.373	1.436	1.385	• 720	1.438	2. 126	1.532	1.376	1.408	1.3
	.760	1.406	2.101	1.535	1.381	1.403	1.399	.760	1.432	2.110	1.538	1.381	1.406	1.3
	•780	1.424	2.042	1.542	1.389	1.403	1.405	. 780	1.443	2.029	1.543	1.385	1.409	1.4
	.800 .850	1.396	1.756	1.550	1.395	1.409	1.406	.850	1.368	1.758	1.549	1.406	1.420	1.3
	.950	1.225	1.440	1.497	1.409	1.398	1.370	• 950	1.255	1.488	1.509	1.399	1.404	1.3
	1.000	1.209	1.243	1.483	1.459	1.444	1.399	1.000	1.220	1.274	1.502	1.439	1.447	1.03
	•010	.129	.334	•353	.393	.437	•599	•010	.089	• 329	.350 .417	.374 .460	·411 ·477	• 5
	•030	• 248	• 384	•441	•495 •552	•522 •611	.736 .824	• 030	•196 •290	• 357 • 421	.478	.510	.573	. 8
	•050 •075	• 342 • 429	.533	.588	.616	.646	.911	.075	.376	.491	.554	.573	.608	. 8
	.100	. 496	.588	•637	.679	•719	•958	• 100	• 446	• 549	•599	.639 .719	.681 .761	100
	.150	•611	•692	•736 •780	.754 .817	.785 .854	1.016	•150	•559 •625	• 654 • 738	• 702 • 748	0783	.832	100
	•200 •250	• 673	.779 .836	.839	.866	.899	1.088	• 250	.698	.801	.818	. 841	.878	1.0
	.300	.838	.911	.899	.897	.923	1.098	• 300	•783	. 876	.879	.875 .911	0913	101
H	•350	• 927	.974	•922	.935 .955	.948	1.110	• 350	.881 .952	1.032	.910	.938	•959	101
Lower	·400	•991 1•073	1.053	•995	.977	.952	1.098	.450	1.034	1.013	. 983	•977	+962	1.1
3	•500	1.108	1.106	1.060	1.012	.975	1.097	.500	1.075	1.103	1.084	1.023	. 994	1.1
	.520	1.119	1.177	1.132	1.069	1.020	1.108	•520	1.091	1.185	1.412	1.084	1.045	101
	•540	1.156	1.329 .893	1.360	1.628	1.249	1.404	.710	1.276	.819	1.666	1.600	1.480	1.3
	.740	1.221	.753	1.805	1.621	1.463	1.397	.740	1.197	• 723	1.777	1.591	1.462	1.3
	•760	1.175	•738	1.846	1.608	1.463	1.388	•760	1.151	• 732 • 747	1.813	1.570	1.466	1.3
	•780 •800	1.156	•745 •755	1.815	1.587	1.455	1.384	.800	1.088	.761	1.718	1.505	1.455	1.3
	.850	1.075	.886	1.598	1.454	1.422	1.341	. 850	1.066	. 900	1.546	1.398	1.431	1.3
	•900	1.109	•968	1.386	1.375	1.395	1.321	• 900	1.118	.989 1.092	1.343	1.319	1.400	1.3
	•950	1.167	1.063	1.270	10330	1.373	1.318	6 730				11170	1.000	
	•560 •580	1.365	1.508	1.486	1.458	1.386	1.365	.560 .580	1.498	1.679	1.610	1.536	1.507	105
E L	.600	1.346	1.492	1.541	1.478	1.378	1.337	.600	1.456	1.740	1.674	1.569	1.519	104
pper	•620	1.346	1.456	1.529	1.464	1.368	1.297	• 620	1.443	1.727	1.668	1.552	1.534	104
P	•640	1.329	1.405	1.495	1 . 431	1.338	1.250	• 640	1.414	1.690	1.637	1.523	1.519	10
Up	•690	1.362	1.288	1.449	1.397	1.290	1.194	.690	1.420	1.585	1.622	1.503	1.545	10
1														
	•560		1.659	1.771	1 500	.000	1.200	• 560		1.723	1.854	1.653	.921	10
Lower	•580		1.676	1.796	1.583	.920 1.052	1.299	• 580		1.735	1.898	1.653	1.069	104
we]	•620		1.667	1.782	1.591	1.180	1.401	.620		1.751	1.901	1.659	1.212	10
9	.640		1.635	1.655	1.578	1.277	1.442	• 640		1.711	1.743	1.642	1.306	10:
	•660		1.588	1.456	1.524	1.402	1.433	•660		1.568	1.511	1.583	1.530	10
	*670		10402	1.408	1.550	18402		,		10,000				
	•560		•396	•586	.538	.607	•759	. 560		.443	.641	.584	•645	
	•580		•719	.838	.788	• 906	•929	.580		•770	.895	.834	0947	
per	•600		.888 .940	1.038	.985 1.012	1.260	•989 •972	•600		• 937	1.101	1.033	1.308	10
Up	.640		.985	1.042	. 964	1.380	•909	•640		1.033	1.102	1.006	1.435	
10	•660		.894	•951	.905	1.300	.830	• 660		•927 •677	. 978 . 682	. 926	1.358	
Upp	.680 .688		.654 .551	.661 .551	.530	1.069	•588 •517	.680 .688		.572	.570	.535	1.162	
5	•560	1.274	2 . 8 . 1	1.424	1.535	1.425	1.397	550	1.248	2.758	1.407	1,508	1,421	1.
	.580	1.274	2.841 2.970	1.424	1.535	1.443	1.397	•560 •580	1.248	2.758	1:497	1.508	1.421	1.
Ver	•600 •620	1.223	3.025 2.837	1.551	1.565	1.451	1.401	•600	1.199	2.971	1.530	1.534	1.449	103
6	•640	1.243	2.204	1.616	1.577	1.469	1.409	.640	1.231	2.042	1.590	1.587	1.464	103
H	.660	1.305	1.508	1.678	1.614	1.469	1.411	.660	1.282	1.355	1.653	1.585	1.469	1.
	.680 .688	1.390	1.042	1.711	1.637	1.469	1.411	• 680 • 688	1.366	1.032	1.686	1.588	1.473	103
	8000	TOTES	10045	10120	10017	10414	10403	8000	20123	- /	20100	2000	20413	40.

TABLE 17 .- PRESSURE COEFFICIENTS - Continued

 $\delta_{\rm S} = -0.100 \, \rm c; \, \delta_{\rm d} = -0.07500 \, c$ 

 $_{\text{CL}}$  = 16  $^{\circ}$ 

 $\alpha = 18^{\circ}$ 

	x/c	I	Pressure	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$			P	ressure co	efficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	•000	1.024	1.270	•957	1.504	1.066	1.534	.000	1.009	1.295	1.049	1.717	1.225	1.60
	.010	2.052	1.989	1.791	1.611	1.567	1.585	.010 .030	1.890	1.894	1.781	1.687	1.608	1.60
	•030	2.059	1.978	1.772	1.616	1.566	1.587	.050	1.877	1.880	1.773	1.703	1.615	1.6
	•050	2.074	1.983	1.769	1.625	1.574	1.597	.075	1.885	1.882	1.773	1.704	1.618	1.6
	•075	2.083	1.993	1.768	1.628	1.574	1.605	.100	1.892	1.887	1.770	1.700	1.618	1.6
	•100 •150	2.067	1.998	1.757	1.637	1.585	1.628	. 150	1.904	1.892	1.773	1.711	1.627	1.6
	•200	2.052	1.995	1.762	1.648	1.599	1.651	.200	1.910	1.896	1.783	1.723	1.637	1.6
	•250	2.017	1.994	1.770	1.674	1.622	1.680	. 250	1.916	1.906	1.797	1.748	1.653	1.6
	•300	1.960	1.984	1.788	1.713	1 . 645	1.714	.300	1.919	1.912	1.811	1.773	1.667	1.7
	.350	1.894	1.969	1.802	1.744	1.666	1.744	• 350	1.919	1.921	1.824	1.793	1.676	1.7
Upper	•400	1.840	1.943	1.815	1.764	1.681	1.766	• 400	1.920	1.918	1.826	1.793	1.682	1.7
dd	.450	1.772	1.899	1.811	1.749	1.662	1.763	• 450	1.908	1.906	1.813	1.766	1.659	1.7
P	.500	1.728	1.840	1.755	1.644	1.613	1.662	•500	1.891	1.874	1.761	1.678	1.614	1.6
	•520	1.693	1.802	1.713	1.612	1.583	1.581	• 520 • 538	1.895	1.817	1.711	1.651	1.612	1.5
	•538	1.694	1.763	1.668	1.556	1.419	1.409	•710	1.731	1.722	1.501	1.426	1.416	1.4
	•710	1.506	1.950	1.526	1.390	1.413	1.403	•720	1.718	1.743	1.499	1.425	1.410	104
	•720 •740	1.513	1.996	1.528	1.396	1.408	1.409	.740	1.706	1.742	1.505	1.432	1.413	104
	.760	1.515	1.998	1.534	1.401	1.408	1.413	.760	1.681	1.753	1.505	1.439	1.416	104
	.780	1.520	1.943	1.536	1.409	1.414	1.415	.780	1.659	1.753	1.510	1 . 446	1.422	1.4
	.800	1.495	1.904	1.540	1.415	1.413	1.415	.800	1.617	1.754	1.508	1.448	1.423	104
	.850	1 . 442	1.751	1.547	1.428	1.426	1.417	.850	1.529	1.707	1.517	1.440	1.433	104
	.950	1.307	1.535	1.512	1.416	1.405	1.387	• 950	1.375	1.332	1.478	1.454	1.429	1.4
	1.000	1.255	1.302	1.502	1 . 445	1 • 446	1.396	1.000	1.333	10332	10410			
9	010	069	.336	.348	•370	.402	•561	.010	.043	. 350	.356	.373	.394	.5
	.010 .030	.068 .167	• 336	•392	.438	. 455	.674	.030	.133	.328	.373	.407	.419	06
	•050	• 258	• 395	.447	.503	.545	•772	.050	.220	.374	.414	•503	• 492	0.7
	•075	• 346	.461	.515	.548	.582	.864	.075	.307	. 432	.481	•502	.530	.8
	.100	.414	.514	.565	.608	.650	.925	.100	.372	· 482	.526	0565	0597	.9
	.150	.527	.616	.662	.692	.730	1.001	. 150	.485	•577	0622	. 645	.679 .752	1.0
	.200	.594	.706.	.716	.760	.809	1.057	.200	.554	.669	.675	.723	.813	1.0
	.250	.667	.767	•790	.822	.855	1.090	. 250	.625	.731	.745 .812	.784 .826	.860	1.1
	•300	.755	.843	.851	.856	.898	1.120	• 300	.719	.806	.848	.881	905	1.1
	.350	.850	.917	.887	.904	. 935	1.139	• 350	.813	. 883	. 946	e 924	.932	1.1
Lower	.400	.927	1.014	•965	• 935	.958	1.152	• 400	.891	• 990	956	.980	952	1.1
Q	•450	1.013	1.005	•980	.986	. 965	1.155	. 450	• 985	1.118	1.076	1.061	1.000	1.1
H	•500	1.056	1.112	1.091	1.045	1.004	1.163	•500	1.032	1 235	1.171	1.141	1.069	1.2
1	•520	1.074	1.207	1.175	1.319	1.061	1.218	•540	1.090	1.446	1.445	1.366	1.336	1.2
	•540	1.109	1.392	1.628	1.584	1.479	1.383	.710	1.250	. 696	1.568	1.552	1.471	1.3
	•710 •740	1.189	•702	1.733	1.574	1.464	1.380	.740	1.176	. 684	1.663	1.537	1.460	1.3
1	•760	1.146	.727	1.765	1.550	1.477	1.377	.760	1.142	. 726	1.687	1.501	1.475	1.3
	.780	1.137	•752	1.711	1.519	1.464	1.377	.780	1.137	. 758	1.636	1.467	1.460	1.3
	.800	1.093	.771	1.657	1.470	1.469	1.368	.800	1.096	ø 781	1.573	1.413	1.461	1.3
	.850	1.068	.917	1.482	1.349	1.437	1.338	.850	1.083	0 943	1.402	1.292	1.404	1.3
	.900	1.133	1.012	1.298	1.276	1.390	1.315	. 900	1.149	1.043	1.231	1.236	1.339	1.2
	.950	1.186	1.117	1.238	1.277	1.364	1.310	. 950	1.210	1.158	1.202	1.263	1.315	1.3
										1.826	1.707			
	•560	1.663	1.752	1.664		1 674	1.637	• 560 • 580	1.884	1.852	1.731	1.679	1.624	100
84	•580	1.637	1.787	1.707	1.602	1.574	1.641	.600	1.854	1.863	1.741	1.697	1.645	106
pper	•600 •620	1.586	1.800	1.722	1.624	1.609	1.609	.620	1.838	1.864	1.734	1.703	1.671	106
d'D	•640	1.559	1.786	1.684	1.612	1.622	1.538	.640	1.816	1.856	1.728	1.711	1.695	1.5
Ce	•660	1.557	1.766	10004	1.613	1.650	1.476	.660	1.800	1.852		1.734	1.731	105
Ia	•690	1.540	1.757	1.699	1.642	1.706	10447	.690	1.769	1.880	1.795	1.765	1.779	105
suriace:	.680	1.538	1.744	1.660	1.634	1.681	1.426	.680	1.776	1.859	1.763	1.767	1.771	105
								E40		1-807	1-960			
1	•560		1.806	1.920	1 746	.934	1.448	• 560 • 580		1.907	2.040	1.837	.944	1.4
Spoiler	•580		1.813	1.994	1.743	1.087	1.551	.600		1.915	2.020	1.830	1.101	1.6
or or	•600		1.830	1.982	1.741	1.236	1.621	.620		1.911	2.017	1.827	1.254	100
ower	•620		1.842	1.985	1.723	1.323	1.644	640		1.891	1.809	1.805	1.359	10
H	•640		1.814	1.548	1.663	1.389	1.574	.660		1.882	1.537	1.746	1.421	100
	•660		1.705	1.627	1.544	1.616	1.430	.690		1.853	1.694	1.652	1.673	10
	•680		1.729	1.441	1.538	1.494	1.469	.680		1.840	1.453	1.628	1.531	10
	-000										701	210	705	
	•560		•498	.683	•643	.672	•903	• 560		• 557	•721 •954	•712	1.003	10
15	•580		.824	•934	.886	• 977	1.041	•580		. 881		• 950		
per	•600		•990		1.089	1.342	1.096	•600		1.045	1.172	1.154	1.401	10
od d	•620		1.039	1.202	1.108	1.365	1.064	• 620		1.089	1.220	1.104	1.507	100
Ce	•640		1.070	1.133	1.048	1.472	•998	• 640 • 660		• 953	.981	.975	1.445	
T T	•660		•950 •688	•989	•950 •659	1.402	.836 .632	.680		.696	.698	.685	1.360	
suriace: Upi	.680 .688		•584	.695 .576	.557	1.228	.578	.688		. 593	.584	.585		
51	.008			3210										
0	•560	1.236	2.689	1.377	1.495	1.419	1.373	• 560 • 580	1.220	2.603 2.778	1.327	1.478	1.393	1.
ec	•580		2.862	1 0 4 4 5	1.507	1.431								
H H		1.195	2.951	1.493	1.518	1.443	1.381	.600			1.431	1.504		10
Deflector	•620	1.217	2.645	1.531	1.538	1.451	1.384	• 620			1.486	1.506	1.434	1.
Def Lower	•640		1.856		1.573	1.459	1.383	• 640			1.556	1.539		1.
Н			1.204		1.571	1.463	1.383	. 660 . 680			1.599	1.566		10
	•680		•939		1.576	1.468	1.388	.688			1.611	1.541		10
	•688	1.141	.852	1.665	1.574	T0-10	10001	0000		,				

TABLE 17 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{\rm S} = -0.100 \, \rm c; \, \delta_{\rm d} = -0.07500 \, c\right]$ 

~ - 20 0

a = 22 °

				a = 20 °							α = 22 0			
	/-		Pressure	coefficien	it Cp a	$t \frac{y}{b/2} = -$		/-	F	ressure o	oefficient	Cp at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	•000	1.111	1.386	1.182	1.814	1.422	1.643	• 000	1.167	1.449	1.242	1.907	1.511	1.720
				1.837		1.680	1.628	•010	1.894	1.860		1.785	1.706	1.692
	•030	1.907	1.875	1.829	1.725	1.683	1.627	• 030 • 050	1.900	1.869	1.830	1.793	1.704	1.705
	•075	1.911	1.879	1.835	1.735	1.687	1.643	• 075	1.901	1.873	1.836	1.793	1.703	1.710
	•100	1.913	1.880	1.835	1.730	1.690	1.647	•100	1.903	1.873	1.836	1.792	1.704	1.709
	•150	1.920	1.886	1.840	1.741	1.699	1.656	• 150 • 200	1.908	1.880	1.839	1.800	1.713	1.720
	.250	1.933	1.897	1.857	1.764	1.717	1.682	• 250	1.927	1 . 895	1.850	1.815	1.730	1.745
	•300 •350	1.936	1.900	1.860	1.775	1.725	1.702	• 300 • 350	1.930	1.898	1.853	1.821	1.736	1.756
l i	•400	1.936	1.906	1.864	1.779	1.726	1.722	.400	1.931	1.897	1.843	1.806	1.725	1.779
Upper	.450	1.933	1.898	1.843	1.743	1.795	1.734	• 450	1.922	1.889	1.829	1.785	1.710	1.768
1 2	•500 •520	1.930	1.860	1.815	1.707	1.684	1.701	•500 •520	1.922	1.874	1.810	1.756	1.697	1.737
	•538	1.928	1.838	1.797	1.695	1.685	1.607	•538	1.920	1.849	1.808	1.764	1.707	1.667
	•710	1.835	1.696	1.528	1.441	1.470	1.440	•710	1.805	1.713	1.515	1.472	1.484	1.495
	•720	1.822	1.700	1.526	1.437	1.463	1.436	•720	1.796	1.713	1.515	1.471	1.475	1.489
	•760	1.763	1.711	1.532	1.451	1.474	1.447	•760	1.731	1.740	1.521	1.483	1.481	1.502
l.,	•780	1.735	1.720	1.536	1.458	1.479	1.459	• 780	1.708	1.731	1.522	1.488	1.485	1.503
lce Ce	.800 .850	1.695	1.717	1.537	1.458	1.480	1.451	• 800 • 850	1.672	1.722	1.523	1.492	1.486	1.504
Surface	.950	1.492	1.601	1.525	1.450	1.460	1.422	• 950	1.495	1.570	1.516	1.486	1.471	1.468
Su	1.000	1 • 442	1.349	1.505	1.457	1 . 477	1.412	1.000	1.452	1.319	1.490	1.494	1.478	1.452
Wing	.010	•026	.361	•382	.378	.415	•572	.010	.017	•373	•391	.396	·421	•593
B	•030	•100	•309	.362	.381	.406	•642	•030	.081	0 293	• 348	0379	•402	0645
	•050	• 186	• 349	•392 •452	• 426 • 466	• 464 • 522	•734 •828	• 050 • 075	•162 •247	• 324 • 363	.370 .419	. 409 . 445	.445 .515	•734 •822
	•075	• 274	. 449	•495	•517	.564	.886	.100	•307	. 411	. 461	.506	.541	.889
	.150	• 455	.545	•589	•602	.650	•971	• 150	0417	.498	.552	.588	• 622	•977
	•200	• 522	•627 •692	•645	.674 .741	• 738 • 795	1.035	• 200 • 250	•484 •557	•580 •647	.606 .682	.662 .731	•704	1.043
1	•250	• 596	•769	•787	.791	. 846	1.102	• 300	.651	0724	.749	.783	.818	1.116
L	•350	• 789	.849	.834	.850	.895	1.122	• 350	•752	• 797	• 799	.840	.868	1.140
Lower	•400	• 864 • 963	• 954 • 968	•937 •955	.894	•930	1.149	• 400 • 450	•820 •922	• 900	•902 •927	• 893 • 955	•910 •948	1.171
3	•450	1.018	1.108	1.085	1.044	1.020	1.195	•500	980	1.075	1.062	1.053	1.013	1.228
	.520	1.039	1.225	1.190	1.134	1.089	1.211	•520	1.003	1.202	1.169	1.148	1.089	1.250
	•540	1.077	1.446	1.473	1.365	1.376	1.266	• 540	1.043	1.433	1.505	1.496	1.381	1.307
	•710	1.246	•656 •672		1.503	1.488	1.367	.740	1.144	• 648	1.586	1.475	1.474	1.396
	•760	1.147	•721	1.664	1 . 444	1.515	1.374	•760	1.116	• 713	1.597	1.426	1.504	1.402
	•780	1.147	•760	1.505	1.406	1 . 485	1.370	• 780 • 800	1.085	• 751	1.533	1.385	1.462	1.398
	•800 •850	1.111	•787 •953	1.539	1.345	1.473	1.372	.850	1.088	• 778	1.468	1.317	1.349	1.326
	•900	1.184	1.062	1.208	1.189	1.316	1.283	.900	1.162	1.047	1.160	1.186	1.266	1.281
	• 950	1.249	1.180	1.199	1.233	1.307	1.293	• 950	1.239	1.163	1.176	1.243	1.273	1.318
	•560	1.925	1.841	1.790				• 560	1.916	1.853	1.805	1.766	1 701	1 701
S.	•580	1.925	1.863	1.810	1.707	1.702	1.682	•580	1.912	1.866	1.813	1.776	1.721	1.721
edc	•620	1.915	1.875	1.815	1.727	1.737	1.674	.620	1.900	1.879	1.826	1.785	1.758	1.736
d.e.	•640	1.904	1.868	1.826	1.732	1.769	1.631	0640	1.884	1.873	1.837	1.792	1.783	1.708
fac	•660 •680	1.898	1.875	1.883	1.752	1.798	1.587	•660	1.875	1.880	1.884	1.823	1.807	1.658
surface: Upper	•690	1.863	1.902	1.905	1.779	1.819	1.598	•690	1.842	1.899	1.897	1.831	1.819	1.690
er	•560		1.930	2.027				.560		1.938	2.020			
oil	•580		1.932	2.118	1.841	• 992	1.532	•560		1.941	2.118	1.888	+992	1.590
Sp	•600		1.937	2.090	1.830	1.310	1.667	• 600 • 620		1.949	2.084	1.872	1.317	1.753
Spoiler	•620 •640		1.936	1.830	1.822	1.310	1.765	.640		1.930	1.810	1.845	1.419	1.898
H	.660		1.921	1.533	1.754	1.486	1.703	• 660		1.903	1.509	1.795	1.481	1.795
	•680 •690		1.827	1.481	1.650	1.598	1.586	• 680 • 690		1.848	1.467	1.688	1.600	1.663
	.070		1.001			1.738	1.559	30,0					10141	
1	•560 •580		•588 •908	.767 1.000	•748 •969	.759 1.062	0995	•560 •580		• 616 • 925	•783 1•003	• 786 • 996	1.072	1.068
H	.600		1.066	1.211	1.166	1.442	1.158	•600		1.077	1.212	1.202	1 . 455	1.199
bpe	•620		1.102	1.264	1.176	1.462	1.122	.620		1.110	1.257	1.206	1.473	1.164
Ce	•640		1.112	1.184	1.107 .970	1.570	1.050	.640 .660		1.111	1.184	0980	1.584	1.091
rfs	.680		.700	•717	•695	1.433	.689	.680		.700	0.717	.714	1.439	.719
surface: Uppe	•688		•596	•599	.591	1.388	.641	• 688		• 595	.601	.616	1.399	.671
Deflector	.560	1.208	2.516	1.317	1.440	1.396	1.353	• 560	1.170	2.385	1.274	1.432	1.366	1.364
lec	•580	1.166	2.700	1.384	1.439	1.407	1.356	•580	1.131	2 . 584	1.329	1.434	1.376	1.370
Def		1.177	2.835	1.414	1.455	1.418	1.355		1.142	2.738	1.356	1.448	1.383	1.370
IOW	•640	1.214	1.586	1.475	1.501	1.439	1.358	.640	1.177	1.331	1.415	1.493	1.405	1.370
H		1.263	1.019	1.550	1.495	1 . 446	1.360		1.224	• 894	1.540	1.514	1.419	1.374
		1.342	•824 •742	1.594	1.517	1.460	1.367		1.298	o 754	1.540	1.514	1.440	1.381
				21300	~~	20.02	1004							
_														

TABLE 17 .- PRESSURE COEFFICIENTS - Concluded

\[ \delta\_{S} = -0.100c; \delta\_{d} = -0.07500c \]

T		Pi	ressure c	= 23 0 oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97
Upper	.000 .010 .030 .050 .075 .100 .150 .200 .250 .300 .450 .538 .710 .740 .740 .780 .880 .850 .950	1.234 1.940 1.956 1.960 1.959 1.966 1.988 1.996 1.998 1.997 1.978 1.978 1.978 1.974 1.802	1.554 1.912 1.916 1.923 1.931 1.940 1.940 1.958 1.958 1.958 1.958 1.958 1.915 1.835	1.357 1.902 1.906 1.906 1.908 1.905 1.917 1.917 1.914 1.909 1.885 1.870 1.870 1.871 1.556 1.556 1.556 1.556 1.556 1.567 1.567 1.564 1.567	1.980 1.830 1.837 1.842 1.842 1.846 1.851 1.859 1.865 1.842 1.857 1.827 1.804 1.824 1.495 1.500 1.516 1.516 1.528 1.508 1.508	1.577 1.731 1.735 1.735 1.735 1.735 1.756 1.755 1.755 1.753 1.743 1.733 1.726 1.739 1.500 1.490 1.490 1.499 1.499 1.550 1.499 1.550 1.490 1.490 1.490 1.490 1.490 1.490 1.490 1.450	1.733 1.706 1.710 1.710 1.711 1.721 1.726 1.750 1.758 1.758 1.758 1.778 1.776 1.776 1.776 1.779 1.779 1.779 1.779 1.779 1.709 1.682 1.488 1.498 1.500 1.500 1.500 1.500 1.513 1.470 1.470 1.470 1.470
	.010 .030 .050 .075 .100 .150 .200	.012 .071 .156 .240 .301 .411 .475	.396 .292 .310 .347 .388 .477 .558	.416 .346 .361 .401 .439 .527 .589	. 421 . 376 . 406 . 434 . 486 . 566 . 643 . 715	• 433 • 398 • 437 • 512 • 530 • 606 • 691 • 753	.599 .636 .717 .804 .874 .962 1.031
Lower	***300 **350 **400 **500 **500 **520 **540 **710 **740 **760 **800 **850 **9900 **950	**************************************	.700 .781 .884 .929 1.080 1.214 1.457 .580 .649 .714 .759 .782 .948 1.054 1.179	.733 .787 .890 .926 1.072 1.186 1.490 1.474 1.556 1.552 1.487 1.419 1.261 1.141	.765 .831 .885 .959 1.061 1.156 1.406 1.4481 1.455 1.406 1.358 1.295 1.188 1.174	.813 .864 .909 .937 1.018 1.093 1.475 1.475 1.475 1.510 1.457 1.439 1.330 1.246	1.101 1.132 1.163 1.189 1.227 1.246 1.309 1.372 1.383 1.389 1.379 1.368 1.294 1.260 1.304
Surface. Upper	.560 .580 .600 .620 .640 .660 .690	1.956 1.944 1.928 1.911 1.886 1.875 1.836 1.844	1.913 1.933 1.934 1.943 1.943 1.942 1.961 1.954	1.865 1.874 1.879 1.888 1.895 1.940 1.930	1.822 1.832 1.837 1.848 1.863 1.868	1.749 1.772 1.791 1.816 1.835 1.843	1.733 1.748 1.757 1.733 1.714 1.727 1.695
Lower	.560 .580 .600 .620 .640 .660		2.012 2.025 2.028 2.013 1.965 1.909 1.905 1.809	2.083 2.174 2.145 2.131 1.875 1.557 1.847	1.922 1.914 1.906 1.886 1.824 1.765	1.004 1.176 1.333 1.433 1.495 1.759	1.603 1.765 1.907 1.932 1.815 1.680
surface: Upper	•560 •580 •600 •620 •640 •640 •680 •680		.661 .965 1.116 1.148 1.149 .987 .723	.827 1.043 1.252 1.300 1.220 1.011 .730	.826 1.030 1.237 1.237 1.174 .984 -735	.795 1.097 1.480 1.499 1.606 1.549 1.460	1.099 1.172 1.206 1.164 1.092 .910 .724 .678
Deflector surface:	• 560 • 580 • 620 • 640 • 640	0 1.142 0 1.165 0 1.177 0 1.219	2.344 2.562 2.704 2.111 1.212 .840	1.249 1.307 1.328 1.366 1.387 1.467	1.417 1.419 1.430 1.443 1.477 1.477	1.355 1.368 1.376 1.387 1.397 1.407	1.347 1.344 1.345 1.343 1.347 1.358

	P	ressure	coe	fficient	t Cp	at	$\frac{y}{b/2} = $	_	
(/c	0.15	0.30		0.50	0.7	0	0.85		0.97
000 010 030 055 100 150 200 300 300 300 450 520 710 760 760 760 850 850 950									
.010 .030 .050 .075 .100 .200 .250 .300 .350 .450 .520 .520 .710 .740 .740 .760 .780 .850 .950									
.560 .580 .600 .620 .640 .660 .680									
.560 .580 .600 .620 .640 .660									
.560 .580 .600 .620 .640 .660									
. 560 . 580 . 600 . 620 . 640									

TABLE 18 .- PRESSURE COEFFICIENTS

[8<sub>s</sub> = -0.120 c; 8<sub>d</sub> = -0.09000 c]

			c	z = ~4 °							a = -2 °		17	
	/-		Pressure	coefficien	t Cp at	$\frac{y}{b/2} = -$	-	x/c	F	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	Α/ Ο	0.15	0.30	0.50	0.70	0.85	0.97
	.000	1.878	2.886	2.486	2.266	1.636	1.046	.000	. 475	1.471	3.116	2.343	1.608	• 958
	•010 •030	•579 •736	.460 .645	•384 •512	• 346 • 453	• 414	.477 .625	.010	.913	.674 .813	· 482	.401 .549	· 414	.493 .659
	050	.798	.709	•582	.513	.566	.706	.050	.943	. 843	.690	•608	•601	.730
	•075	.806	•762	•625	• 562	.616	•760	• 075	.923	. 865 . 877	• 723 • 737	.653 .678	· 653	•779 •811
	•100 •150	.832 .865	•780 •799	•649 •664	.591 .628	.643 .684	.799 .835	.150	.954	. 873	0743	•697	•717	.840
	.200	.872	.791	•660	.630	.699	.846	• 200	•945	• 854	• 723	•687	•718	.840
	• 250	.887 .869	•767 •737	•636	•622 •601	.694 .683	.851 .851	• 250 • 300	.953 .928	• 819 • 780	· 695	.642	•711 •694	.836 .829
1 s	.350	.861	.677	•552	.563	.670	.837	• 350	.909	•711	.582	.588 .516	•661	.812 .787
Upper	•400 •450	.843 .816	• 562 • 397	•476 •398	•496 •440	.607 .543	.809 .791	• 400 • 450	.886 .853	. 593 . 416	.501 .409	0441	.530	.763
ď	.500	.809	.375	•397	.421	.511	.779	.500	.842	.388	.397	.427	.500 .511	•762 •782
	•520 •538	• 803 • 846	•461 •476	•407 •417	•440	•525 •568	.798 .813	•520 •538	.832 .876	• 468	.406 .416	.437 .451	.556	•798
	.710	1.495	1.990	1.677	1.439	1.482	1.338	.710	1.526	1.971	1.750	1.511	1.470	1.315
	•720	1.545	1.985	1.651	1.446	1.469	1.324	• 720	1.630	1.971	1.739	1.510	1.476	1.309
	•740	1.614	1.993	1.687	1.455	1.470	1.348	.760	1.651	1.977	1.752	1.521	1.484	1.321
	.780	1.665	2.000	1.694	1.470	1.477	1.365	.800	1.707	1.981	1.755	1.520	1.490	1.331
ace	.800 .850	1.646	2.006	1.717	1.487	1.485	1.384	.850	1.670	1.987	1.756	1.534	1.496	1.340
Surface	.950	1.430	1.823	1.573	1.290	1.364	1.007	1.000	1.493	1 · 885 · 733	1.710	1.622	1.422	1.269
	1.000	1.431	•578	1.261	1.345	10304	1000							
/ing	.010	1.610	2.013	2.019	2.157	1.710	1.434	•010	1.232	1.476	1.816	2.150	1.780	1.541
A	.030 .050	1.364	1.679	1.917	2.126	1.702	1.433	• 050	1.116	1.283	1.496	1.681	1.684	1.422
	•075	1.248	1.453	1.723	2.082	1.672	1.427	.075 .100	1.097	1.258	1.453	1.522	1.528	1.241
1	•100 •150	1.244	1.416	1.597	1.743	1.565	1.347	.150	1.180	1.288	1.355	1.351	1.411	1.153
	•200	1.236	1.419	1.386	1.513	1.501	1.291	• 200	1.138	1.306	1.278	1.298	1.338	1.135
	•250	1.240	1.383	1.346	1.357	1.434	1.281	• 250 • 300	1.153	1.282	1.257	1.205	1.232	1.101
	•300 •350	1.353	1.376	1.267	1.215	1.323	1.266	.350	1.287	1 . 285	1.208	1.170	1.184	1.096
Lower	.400	1.373	1.355	1.261	1.162	1.276	1.283	• 400	1.306	1.291	1.209	1.088	1.146	1.109
3	•450 •500	1.386	1.258	1.165	1.071	1.233	1.309	• 450	1.294	1.220	1.138	1.055	1.115	1.141
	.520	1.332	1.312	1.198	1.125	1.228	1.322	•520	1.276	1 6276	1.177	1.081	1.145	1.151
	•540 •710	1.662	1.435 2.055	1.326	1.216	1.298	1.318	• 540 • 710	1.618	1.421	1.323	1.670	1.558	1.413
	.740	1.771	2.075	1.758	1.647	1.667	1.552	• 740	1.721	1.983	1.782	1.668	1.567	1.424
	•760 •780	1.828	2.080	1.784	1.664	1.680	1.538	• 760	1.857	1.992	1.785	1.669	1.577	1.419
	.800	1.889	2.081	1.808	1.690	1.697	1.486	.800	1.829	1.995	1.793	1.675	1.582	1.411
	.850	1.868	2.013	1.822	1.658	1.656	1.428	. 850	1.809	1.948	1.823	1.689	1.578	1.386
	•900 •950	1.624	1.721	1.762	1.486	1.484	1.235	. 950	1.623	1 . 7,36	1.823	1.679	1.528	1.313
	•560	•920	.391	•408				•560	•953	. 375	.407			para l
		• 984	•277	•379	• 426	•524	.813	•580	1.015	• 253 • 187	.382 .358	.421 .386	.510 .485	•799 •748
per	•600 •620	1.092	•194 •255	•351 •370	.395 .402	.509 .546	•764 •753	.620	1.231	. 258	. 388	.390	•508	.737
e: Up	.640	1.278	.358	•439	. 459	.625	.762	• 640	1.309	. 363	. 466	0457	•593	•756
fac	•660 •680	1.418	•490 •708	•744	.532 .678	•729 •871	.792 .846	.660 .680	1.484	. 500 . 715	.804	0714	· 689	6788 6863
surface: Upper	•690	1.491	.990	•931	.799	1.065	.927	. 690	1.521	o 998	1.014	. 879	1.017	e 958
er	•560		1.785	1.601				.560		1.809	1.598			
Spoiler	•580		1.842	1.637	1.495	1.355	1.420	.580		1.860	1.610	1.440	1.221	1.417
Sp	•600 •620		1.866	1.658	1.487	1.312	1.373	.620		1.891	1.634	1.490	1.254	1.407
Si	•640		1.863	1.651	1.367	1.331	1.329	•640		1.877	1.647	1.499	1.319	1.403
-	•660 •680		1.642	1.587	1.293	1.340	1.268	.660 .680		1.852	1.630	1.436	1.367	1.323
	•690		1.603	1.464	1.173	1.316	1.172	.690		1.613	1.608	1 . 367	1.330	1.278
1	•560		•214	•288	.310	1.029	.818	6560		e 221	e 236	e197	#600	+426 -737
5.	•580		•500	•563	•574	1.315	1.212	•580		• 703	6477 696	o 432	1.172	.737 .892
be	•600 •620		•702 •799	•798 •917	.793 .867	1.315	1.212	0620		.796	.847	0756	1.236	.959
ce: Upp	•640		.920	•954 •891	.913 .831	1.380	1.031	• 640		· 917	.873 .830	.813 .755	1.313	.930 .823
surface	•660 •680		.875 .734	•722	.681	1.130	.811	. 680		.727	. 683	.670	.873	•602
	•688		.624	•613	•584	1.028	•708	. 688		.613	.569	•615	•723	•511
Deflector	•560	1.392	2.055	1.798	1.640	1.626	1.490	•560 •580	1.351	1.965	1.820	1.683	1.535	1.382
flec	-600	1.321	2.056	1.800	1.646	1.631	1.530	.600	1.254	1.968	1.811	1.677	1.542	1.386
Def	•620	1.311	2.063	1.792	1.647	1.635	1.536	•620	1.263	1.971	1.805	1.680	1.544	1.394
Lo	.640 .660	1.414	2.067	1.796	1.651	1.641	1.547	• 640	1.284	1.975	1.796	1.678	1.550	1.403
A TE	•680	1.562	2.061	1.772	1.634	1.640	1.522	.680	1.522	1.970	1.796	1.672	1.555	1.412
	•688	1.189	2.057	1.768	1.608	1.642	1.531	•688	1.173	1.965	1.793	1.679	1.563	1.412
						-								

TABLE  $^{18}$  .- PRESSURE COEFFICIENTS - Continued  $\left[\delta_{\text{S}}=^{-0.120}\text{c};\;\delta_{\text{d}}=^{-0.099000}\text{c}\right]$ 

\_ \_ 00

a = 20

Т		$\alpha = 0$ Pressure coefficient $C_p$ at $\frac{V}{V_p} = -$							Pressure coefficient $C_p$ at $\frac{V}{b/2} = -$					
	x/c	0.15	0.30	0.50	0.70	b/2 0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.9
$\vdash$	- /	0.10		0.00									051	_
	.000	• 281	1.046	1.378	1.168	1 · 430 • 471	• 726	.000	1.583	1.449	1.119	o 555	.851 .718	:
	•010	1.093	1.031	.751 .826	.653	.675	.715	.030	1.297	1 . 252	1.033	o 847	.828	
	•050	1.100	1.006	.841	.732	.713	.774	.050	1.261	1.170	0 995	.851	.841	
	•075	1.034	0994	.846	.752	.750	.805	0075	1.162	1.120	0957	.851	.847	
-	.100	1.039	.986	.842	.763	.762	.827	.100	1.146	1.103	• 942	a 842	. 843	
	.150	1.033	.951	.821	.760	.780	.843	. 150	1.121	1.036	· 884 · 825	.820 .787	.836 .806	
	•200	1.010	•918	.784	.734	•767	e 837	· 200	1.083	• 985 • 925	.761	0727	.764	
	.250	1.009	.871	٠734	.706	.739	•825	0300	1.021	. 862	.697	o 684	.727	
	•300	• 976	.820	•679	.652	.714	.819	.350	. 989	. 760	.599	0625	.677	
FI	• 350	• 948	•737	.604 .509	.604 .523	• 666 • 598	•799 •766	. 400	952	. 599	.515	0534	.591	
Be	•400 •450	•920 •879	• 593 • 427	•422	• 448	.516	0732	o 45 O	.905	. 493	.503	a 469	.514	
Upper	• 5 00	.862	.442	.420	.436	. 489	.744	0.500	.878	. 548	.519	. 456	.501	
	.520	. 854	.531	.432	.449	. 493	.771	o 520	.871	. 667	- 536	0 469	•512	
	.538	. 895	•507	.439	.460	.529	.787	۰538	•912	• 579	0534	0476	•553	10
	.710	1.535	1.922	1.737	1.520	1.455	1.311	.710	1.551	1.898	1.716	1.528	1.454	10
	•720	1.585	1.925	1.733	1.519	1.459	1.312	o 720	1.599	1.900	1.716	1.531	1.457	10
	•740	1.634	1.926	1.733	1.526	1.460	1.317	o740	1.654	1.902	1.719	1.530	1.464	10
	•760	1 . 653	1.929	1.736	1.524	1.467	1.320	.780	1.710	1.907	1.719	1.533	1.468	10
	•780	1.708	1.936	1.737	1.531	1.477	1.321	.800	1.695	1.912	1.719	1.534	1.474	10
	.800 .850	1.691	1.940	1.736	1.533	1.487	1.331	. 850	1.703	1.920	1.716	1.540	1.482	10
	• 950	1.531	1.896	1.730	1.482	1.484	1.308	. 950	1.554	1.904	1.716	1.514	1.492	10
	1.000	1.479	.897	1.483	1.641	1.604	1 • 246	1.000	1.474	1.018	1.563	1.698	1.637	10
	.010	. 945	1.088	1.337	1.582	1.699	1.487	.010	.694	.811	. 963	1.237	1.308	14
	•030	• 944	1.091	1.258	1.344	1.381	1.314	.030	.774	. 898	1.013	1.161	1.131	14
	.050	.960	1.090	1.221	1.175	1.413	1.225	. 050	.825	0 942	1.030	1.110	1.084	10
	.075	.975	1.102	1.262	1.238	1.243	1.157	.075 .100	.900	0985	1.064	1.119	1.084	10
	.100	1.001	1.120	1.193	1.248	1.251	1.116	. 150	• 993	1.105	1.127	1.118	1.071	- 1
	.150	1.088	1.182	1.228	1.202	1.169	1.053	.200	.987	1 . 145	1.089	1.119	1.103	
	• 200	1.061	1.217	1.168	1.185	1.138	1.023	. 250	1.014	1.150	1.113	1.125	1.088	
	• 250	1.084	1.226	1.179	1.135	1.115	1.015	. 300	1.122	1.179	1.131	1.091	1.119	
	•300 •350	1.231	1.232	1.147	1.113	1.095	1.005	. 350	1.173	1.193	1.099	1.076	1.060	0
ы	400	1.258	1.248	1.160	1.069	1.061	1.011	.400	1.208	1.218	1.126	1.045	1.034	
M M	a450	1.286	1.167	1.084	1.038	1.032	1.033	a 450	1.247	1.146	1.060	1.016	1.008	4
Lower	.500	1.260	1.194	1.099	1.019	1.047	1.033	.500	1.228	1 . 184	1.079	• 999	1.026	
	.520	1.245	1.257	1.143	1.048	1.112	1.056	.520	1.214	1.248	1.127	1.027	1.096	. '
	.540	1.249	1.408	1.302	1.157	1.379	1.135	• 540	1.226	1.407	1.294	1.151	1.387	1
	.710	1.610	1.964	1.784	1.671	1.550	1.382	.710	1.615	1.989	1.776	1.670	1.555	1
	.740	1.713	1.982	1.780	1.668	1.553	1.393	• 740	1.714	2.001	1.775	1.670	1.555	1
	•760	1.768	1.986	1.782	1.673	1.553	1.401	.760 .780	1.767	2.020	1.776	1.676	1.566	1
	•780	1 . 844	1.996	1.782	1.671	1.553	1.402	. 800	1.806	2.002	1.778	1.678	1.568	1
	.800	1.815	1.988	1.786	1.673	1.557	1.377	. 850	1.760	1.920	1.764	1.673	1.576	10
	·850	1.782	1.933	1.793	1.690	1.580	1.388	. 900	1.678	1.798	1.780	1.696	1.589	14
	• 950	1.594	1.707	1.812	1.690	1.600	1.344	o 95 0	1.567	1 . 656	1 . 796	1.719	1.610	1
	F / 0	042	. 446	.432				.560	.989	.511	.521			
	•560 •580	.962 1.033	.364	•406	. 446	. 490	.785	.580	1.069	. 442	.508	.451	.513	4
H	.600	1.141	.234	.377	.424	· 468	.726	.600	1.186	. 269	.473	0422	0474	
Upper	.620	1.255	.258	.395	.419	.488	.721	· 620	1.305	• 252	• 455	0413	.479	
6	0640	1.333	.353	.469	.466	.560	.751	0 640	1.382	.330	. 484	. 460	0541	
D	.660	1 . 472	.483		.552	.660	.796	· 660	1.539	• 460	.781	o 549	• 647 • 797	
	•680	1.502	.709 .982	.810 1.023	.720 .888	.805 .981	1.003	· 680 • 690	1.528	. 682 . 961	.987	.894	.988	1
	.690	1.537		10023	,000	.,,,								
	.560		1.810	1.601		1 000	1 040	a 560		1.884	1.620	1.437	1.040	1
	.580		1.862	1.609	1 . 434	1.090	1.363	. 580 . 600		1.889	1.625	1.451	1.130	1
ar ar	•600		1.894	1.614	1.449	1.212	1.415	.620		1.941	1.645	1.472	1.228	1
WE	•620		1.911	1.646	1.475	1.212	1.429	.640		1. 928	1.661	1.500	1.335	1
Lower	.640 .660		1.900	1.680	1.506	1.374	1.463	a 660		1.891	1.688	1.512	1.389	1
	.680		1.649	1.640	1.470	1.405	1.423	. 680		1 . 633	1.627	1.482	1.422	1
	•690		1.592	1.624	1.409	1.348	1.378	· 690		1.574	1.594	1.421	1.359	1
			222		e182	.361	.280	.560		e 232	.237	e192	.380	
	•560 •580		•223 •507	.468	.406	.712	.559	.580		.513	. 467	.413	0727	
H	.600		.698	.683	.620	1.061	.715	. 600		0709	+ 683	•619	1.083	
per	.620		.798	.827	.724	1 . 152	.808	. 620		. 805	. 823	o 727	1.360	
d'D	.640		.918	.860	.792	1.229	.815	. 640		0 921	. 858	• 788 • 732	1.260	
3-1	.660		.871	.818	.732	1.084	•729	• 660 • 680		. 874	· 813	0661	0741	
Upp	.680 .688		•718 •603	.672 .560	.608	• 723 • 572	.548 .461	688 688		.719 .604	•552	.616	.577	
2	8000			. 500	.000									1
Lower	•560	1.331	1.965	1.820	1.686	1.542	1.355	• 560 • 580	1.310	1.993	1.812	1.677	1.545	1
5	a580	1.253	1.970	1.814	1.683	1.544	1.358	.600		1.996	1.798	1.685	1.546	1
er	s620		1.975	1.801	1.684	1.541	1.364	0620	1.230	1.999	1.791	1.682	1.549	1
M E	a640			1.796	1.679	1.544	1.366	. 640	1.252	2 . 001	1.787	1.677	1.555	1
Lo	a.660	1 . 356		1.795	1.678	1.545	1.374	a 66 0			1.784	1.681	1.554	1
TUSK	a680	1.515	1.969	1.793	1.676	1.550	1.380	. 680		1.997	1.783	1 676	1.557	1
	.6B8		1.965	1.796	1.679	1.552	1.379	.688	1.160	1.993	1.784	1.683	1+563	1

TABLE 18 .- PRESSURE COEFFICIENTS - Continued

					a = 40	111223	δs	= -0 • 120	c; 8	d= -0 • 0	9000c		a = 60			
	_				-	t C <sub>n</sub> a	+ V _		1 6		T -	Pressure c		C <sub>n</sub> at	У	
	1	x/c		1	coefficien	-	b/2	100000000000000000000000000000000000000		x/c				P	b/2	
	-	,	0.15	0.30	0.50	0.70	0.85	0.97			0.15	0.30	0.50	0.70	0.85	0.97
	Upper	.000 .010 .030 .050 .075 .100 .250 .300 .350 .400	.467 1.971 1.538 1.432 1.305 1.265 1.212 1.160 1.134 1.079 1.040 1.003 .949	.307 2.085 1.582 1.386 1.279 1.230 1.131 1.057 .990 .916 .818 .686 .562	.208 1.622 1.300 1.186 1.107 1.063 .965 .885 .803 .712 .629 .582 .578	.362 1.310 1.108 1.021 .985 .950 .899 .834 .765 .689 .616 .580	.395 1.228 1.061 1.026 .996 .917 .859 .800 .737 .670 .611	.324 1.034 .982 .942 .906 .887 .860 .834 .770 .731 .681 .683		.000 .010 .030 .050 .075 .100 .150 .200 .250 .300 .350 .400	.845 3.205 1.711 1.624 1.449 1.396 1.323 1.245 1.203 1.136 1.089 1.044 .990	.554 2.505 2.148 1.760 1.476 1.369 1.239 1.158 1.081 1.014 .916 .807	• 301 1•529 1•476 1•434 1•352 1•269 1•122 1•018 • 940 • 873 • 812 • 764 • 724	.545 1.391 1.298 1.299 1.158 1.089 1.001 .922 .858 .808 .766 .733 .714	.310 1.461 1.276 1.216 1.164 1.081 .996 .923 .861 .817 .781 .746 .730 .712	.560 1.432 1.164 1.057 .978 .942 .888 .847 .811 .787 .777 .761 .754 .759 .778
g Surface:		.520 .538 .710 .720 .740 .760 .800 .850 .950	.910 .944 1.542 1.592 1.633 1.650 1.701 1.690 1.704 1.577	.609 .544 1.841 1.846 1.850 1.852 1.858 1.863 1.863	.617 .608 1.691 1.691 1.699 1.699 1.698 1.699 1.697 1.693	•591 •587 1•534 1•535 1•537 1•544 1•549 1•544 1•738	.612 .628 1.461 1.465 1.470 1.478 1.478 1.492 1.499	.772 .767 1.324 1.337 1.339 1.345 1.359 1.359		.520 .538 .710 .720 .740 .760 .780 .800 .850 .950	.951 .982 1.507 1.559 1.6617 1.667 1.661 1.677 1.547	. 636 . 604 1. 857 1. 858 1. 861 1. 868 1. 874 1. 883 1. 891 1. 846 1. 234	.719 1.667 1.668 1.669 1.674 1.674 1.676 1.672	0699 10523 10527 10531 10527 10527 10531 10536 10543 10721	.729 1.450 1.454 1.465 1.470 1.477 1.490 1.505	.780 1.333 1.334 1.339 1.345 1.350 1.356 1.376
Wing	Lower	.010 .030 .075 .100 .200 .200 .330 .350 .400 .520 .510 .520 .540 .710 .740 .740 .800 .850 .950	*512 *637 *708 *766 *815 *923 *960 1.073 1.171 1.203 1.171 1.205 1.619 1.773 1.840 1.773 1.840 1.774 1.840 1.774 1.840 1.778	.586 .711 .782 .859 .859 1.005 1.078 1.112 1.134 1.113 1.111 1.123 1.393 1.988 2.002 2.006 2.009 1.983 1.867 1.719	670 4798 861 928 942 10032 10043 10076 10052 10089 10080 10108 1281 14755 14755 14757 14760 14760	.820 .890 .969 .952 .984 1.009 1.029 1.022 1.028 1.008 .998 1.007 1.129 1.661 1.665 1.665 1.665 1.672 1.674 1.770	.887 .897 1.031 .996 .981 1.033 1.031 1.018 .999 1.023 1.095 1.389 1.572 1.577 1.586 1.594 1.608	. 943 .970 .964 .973 .963 .967 .957 .950 .938 .937 .924 .930 .964 1.066 1.445 1.458 1.458 1.458		.010 .030 .050 .075 .100 .200 .200 .350 .400 .520 .540 .740 .740 .760 .800 .850 .950	.349 .499 .589 .657 .714 .824 .891 1.002 1.017 1.116 1.160 1.156 1.169 1.613 1.710 1.754 1.814 1.774 1.773 1.571 1.581	. 464 .583 .667 .745 .807 .992 .997 1.020 1.064 1.087 1.144 1.212 1.380 2.018 2.004 2.027 1.990 1.810 1.592	.558 .688 .755 .857 .944 .935 .985 1.002 1.008 1.005 1.0037 1.0087 1.0267 1.721 1.722 1.723 1.729 1.730 1.730	.650 .757 .852 .847 .938 .963 .986 .989 .990 .973 .967 .107 1.664 1.663 1.664 1.656 1.656	.669 .754 .877 .841 .901 .910 .966 .978 .998 .998 .911 1.081 1.081 1.569 1.558 1.579 1.558 1.579 1.569	. 725 . 838 . 878 . 916 . 926 . 937 . 945 . 945 . 945 . 945 . 1086 1.086 1.046
-dogmis	Upper	.560 .580 .600 .620 .640 .660 .680	1.015 1.077 1.178 1.288 1.360 1.491 1.516	.494 .424 .308 .290 .356 .479 .679	.600 .593 .548 .518 .523	•574 •559 •537 •534 •581 •724 •881	.607 .581 .562 .570 .633 .784	.792 .678 .602 .632 .718 .846		.560 .580 .600 .620 .640 .660 .680	1.048 1.110 1.205 1.304 1.364 1.482 1.491 1.521	• 557 • 501 • 442 • 429 • 451 • 528 • 693 • 960	•707 •699 •677 •679 •691 •879 1•032	.680 .670 .657 .669 .707 .815	.691 .670 .667 .681 .731 .835	•789 •748 •721 •732 •789 •885
relions	Lower	•560 •580 •600 •620 •640 •660 •680 •690		1.833 1.888 1.922 1.945 1.926 1.875 1.606 1.536	1.605 1.615 1.621 1.642 1.655 1.676 1.605	1.436 1.449 1.472 1.493 1.506 1.460 1.397	1.051 1.150 1.241 1.347 1.401 1.440 1.378	1.379 1.439 1.459 1.481 1.497 1.447		• 560 • 580 • 600 • 620 • 640 • 660 • 680 • 690		1:812 1:869 1:912 1:935 1:907 1:836 1:564 1:489	1.583 1.595 1.608 1.640 1.648 1.662 1.552	1.401 1.412 1.481 1.444 1.457 1.414	1.041 1.154 1.239 1.338 1.402 1.437 1.380	1.348 1.400 1.418 1.446 1.460 1.428 1.395
r cumpone.	Upper Upper	.560 .580 .600 .620 .640 .660 .680		.239 .520 .709 .806 .917 .866 .708	.244 .475 .686 .821 .854 .805 .663	.203 .416 .621 .724 .788 .729 .660	.416 .761 1.108 1.196 1.289 1.143 .765 .602	.275 .513 .659 .737 .763 .690 .548		.560 .580 .600 .620 .640 .660 .680		. 242 . 526 . 714 . 805 . 918 . 868 . 710 . 602	.251 .479 .683 .819 .851 .804 .660	.216 .426 .622 .716 .780 .725 .658	.446 .784 1.130 1.219 1.332 1.191 .818 .629	•350 •589 •711 •766 •770 •687 •528 •444
Deflector	Lower	.560 .580 .600 .620 .640 .660 .680	1.295 1.220 1.208 1.227 1.253 1.353 1.528 1.163	1.994 1.993 1.992 1.998 1.998 2.002 1.994	1.787 1.779 1.775 1.771 1.766 1.763 1.761	1.674 1.669 1.670 1.672 1.669 1.671 1.669	1.560 1.563 1.563 1.569 1.566 1.571 1.571	1.400 1.406 1.410 1.417 1.418 1.426 1.430 1.433		.560 .580 .600 .620 .640 .660 .680	1.263 1.193 1.188 1.207 1.242 1.341 1.518 1.163	2.040 2.038 2.037 2.042 2.042 2.041 2.031 2.029	1.729 1.726 1.729 1.730 1.730 1.732 1.724 1.726	1.649 1.643 1.646 1.648 1.644 1.645 1.645	1.553 1.554 1.556 1.556 1.558 1.560 1.564 1.572	1.414 1.417 1.425 1.428 1.432 1.438 1.442

ing

B

Jower

Spoiler

Deflector :

.688

1.720

1.654

1.560

TABLE 18 .- PRESSURE COEFFICIENTS - Continued [8 = -0.120 c; 8 d = -0.09000 c]

 $\alpha = 10^{\circ}$ α = 8<sup>0</sup>  $\frac{y}{b/2} = -$ Pressure coefficient Cp at  $\frac{y}{b/2} =$ at Pressure coefficient Cp x/c x/c 0.70 0.85 0.97 0.15 0.50 0.97 1.071 1.514 1.537 .917 1.386 1.393 .810 .743 1.337 1.347 1.352 .409 1.266 1.260 1.008 .829 . 000 .410 1.134 .566 1.298 .000 .010 1.997 1.941 1.934 1.509 2.717 1.572 2.020 1.497 3.734 .010 1.573 .030 1.581 1.401 1.316 1.395 2.630 1.310 . 050 1.252 .050 2.244 1.844 1.544 1.301 1.326 2.486 1.408 1 . 925 1 . 586 1.333 1.148 .075 1.544 1.238 1.806 1.586 .075 1.323 1.212 1.084 .100 1.419 1.577 1.762 1.515 1.332 1.259 1.884 1.027 . 150 1.935 1.708 1.428 1.243 1.186 1.250 1.477 1.690 1.855 .150 1.576 .200 1.191 1.160 .989 1.338 .200 1.398 1.629 1.565 1.402 1.341 959 . 250 1.523 1.343 1.363 1.258 1.156 1.389 1.200 .250 .300 1.412 1.536 1.713 1.180 1.118 1.110 1.169 1.604 1.495 .300 1.297 1.368 .919 1.255 1.282 1.108 1.342 1.296 1.122 .885 . 400 1.334 1.082 1.171 1.050 1.045 1.061 1.256 1.313 .400 . 450 1.288 1.379 1.396 1.007 1.018 1.036 .848 1.038 .450 .500 1.169 1.066 1.329 1.245 1.195 1.274 1.012 .783 . 500 1.264 .963 .967 .950 1.255 1.165 1.020 1.240 1 . 232 1.286 .970 1.003 .799 .791 . 951 .520 1.120 944 1.182 1.235 1.223 .538 1 . 145 .919 1.429 1.453 1.280 1.415 1.451 1.490 .538 .710 .720 1.538 1.304 2.039 1.598 1.479 1.449 1.282 .710 1.484 2.030 1.549 1.457 1.288 .720 1.521 1.946 1.603 2.043 1.552 1.435 1.426 1.309 .740 1.959 1.436 1.419 1.606 1.479 1.295 1.567 .760 .780 1.508 1.550 1.521 1.557 .740 2.049 1.611 1.481 1.458 1.319 1.301 1.962 .760 .780 1.588 1.567 1 . 455 1.305 2.042 1.578 1.446 1.424 1.332 . 800 1.976 1.458 1.627 1.483 1.455 1.427 1.309 1.626 .800 .850 1.466 1.894 1.598 1.342 1.941 1.651 1 . 485 1.468 1.602 1.590 .850 1.494 1.469 1.501 1.345 1.699 1.647 1.603 1.564 1.357 1.261 1.000 1.235 1.380 1.257 1.653 1.630 1.000 1.347 •560 •685 •766 .434 .539 .645 · 347 . 381 .497 .607 .743 .010 .393 .524 •559 •650 .466 .297 .676 .030 .050 . 386 .503 .563 .804 .655 .708 .746 .837 . 470 . 554 .660 .718 .050 .581 .691 .643 .861 .075 .472 .583 .757 .873 .663 .732 .742 .752 ·635 .075 .538 . 688 .100 .819 .886 .618 .721 .769 .775 .783 .806 .913 .648 . 150 . 864 .821 .851 .848 . 857 . 945 .150 . 200 •707 •763 .815 .810 .871 .889 4912 959 .200 .772 . 857 a 866 . 893 . 869 .936 . 250 . 934 .945 .917 4924 .915 .900 . 883 . 965 .250 300 . 867 . 932 .930 . 951 . 933 .974 .300 .939 .971 1.035 .902 .897 . 350 .941 .962 .947 1.009 .980 1.036 .958 958 .900 4932 .945 . 400° . 450 .997 1.090 1.009 .910 .973 1.003 .400 1.063 .917 928 .958 .966 1.041 .450 .500 1.116 .960 .918 4982 4989 1.079 .961 .500 . 998 1.108 1.004 .928 1.010 1.046 . 954 .520 1.086 1.162 1.013 1.051 .960 .991 1.061 1.188 1.077 .520 1.123 1.083 1.333 1.181 1.107 1.350 1.070 .540 1.341 1.348 1,219 1.418 .540 1.143 1.612 1.637 .710 2.087 1.699 1.429 1.644 1.554 .710 1.653 1.824 1.637 1.553 1.425 2.130 1.437 .740 1.740 1.432 2.125 1.800 1.638 1.555 1.444 1.892 .760 1.707 2.040 1.853 1.648 2.087 1.565 .760 1.745 1.915 1.640 1.561 1.445 1.571 .780 1.818 2.063 1.872 1.639 1.564 1.440 .780 1.922 1.658 1.741 1.941 1.886 1.650 1.576 1.413 .800 1.557 1.419 1.084 1.885 1.620 . 850 1.577 .850 1.880 1.437 1.488 1.533 1.613 1.542 1.380 1.819 . 900 1.286 1.086 1.859 1.637 .900 1.520 1.330 1.232 . 950 . 889 1.744 1.578 1.593 1.373 1.625 .950 1.316 1.229 1.270 1.271 1.292 • 560 • 580 •560 •580 1.213 1.267 ·865 1.227 1.086 .937 .636 . 972 .915 .889 1.239 1.045 .995 .600 .620 1.335 1.147 .603 .853 .865 .847 .903 . 955 .600 1.123 1.251 .883 . 945 4608 1.212 .620 1.330 1.204 1.011 .849 1.070 . 942 .637 . 640 1.363 .640 1.363 .817 .845 .871 .844 •997 1•008 1•057 1.023 . 660 1.188 .953 ·685 1.412 .885 .819 .660 1.450 1.176 1.171 .935 . 680 1.404 1.460 938 .680 .875 1.181 .690 1.422 1.106 1.200 1.074 .920 1.044 1.042 1.011 .690 1.782 .560 .580 1.481 1.529 1.776 1.259 1.354 1.017 .560 1.306 1.355 1.032 1.826 1.366 1.113 .580 1.500 1.313 1.784 1.355 -600 1.851 1.558 1.370 1.139 1.333 .600 . 620 1.761 1.521 1.389 1.862 1.584 1.218 1.373 .620 1.526 1.385 1.292 1.363 1.405 1.315 -640 1.690 1.796 1.597 1.35 .640 1.384 . 660 1.604 1.523 1.603 1.403 1.381 1.436 10353 .660 1.400 1.309 1.419 1.363 .680 680 1.455 1 . 286 .690 1 . 365 1.398 1.457 1.318 .690 . 258 0247 •495 •801 .491 .228 .560 .478 .250 .234 .692 .580 492 .507 .473 .432 . 663 . 747 . 854 . 822 1.140 .779 .802 .778 .580 . 665 . 629 .621 .708 1.139 .738 .600 .620 .687 .778 .677 .600 .620 .718 .802 .830 1 4 2 2 6 .776 .806 · 768 1.348 .768 1.359 .764 .640 -640 .894 1.245 4707 .783 .660 .852 .526 .457 .742 . 680 . 688 .622 .700 .640 .653 .899 .510 .522 .572 .680 . 688 .537 .690 .430 .585 .688 1.521 1.613 1.531 1.383 1.396 1.396 1.400 1.541 .560 .580 1.216 2.161 2.124 1.616 1.244 1.390 1.634 1.546 2.189 . 600 1.159 1.635 1.546 2.135 1.654 1.181 .600 1.634 1.723 1.778 1.687 1.551 1.187 . 620 1.552 1.406 1.403 .620 1.210 2.147 1.637 1.550 1.410 .640 .660 1.232 2.216 1.552 1.251 2.150 1.737 1 4656 2.197 .640 1.635 1.549 1.649 1.552 1.419 4660 1.363 2.146 1.639 1.410 1.422 1.524 1.556 . 680 1.550 2.119 16729 1.551 1.715 1.141 2.111

TABLE 18 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{S} = -0.120c; \delta_{d} = -0.09000c\right]$ 

 $\alpha = 12^{\circ}$ Pressure coefficient at  $\frac{y}{b/2} = C_p$  at  $\frac{y}{b/2} = -$ Pressure coefficient x/c x/c 0.97 0.30 1.155 1.984 1.969 1.982 .967 1.499 1.498 1.251 1.375 1.373 .834 1.422 1.423 1.434 974 1.109 1.452 1.459 1.471 .914 2.196 1.002 .000 .000 1.385 1.389 1.371 .010 .030 2.096 1.687 1.564 .030 .050 2.161 1.970 1.647 1.501 1.372 2.171 1.649 1.385 1.684 1.575 1.504 1.977 1.651 1.473 1 . 446 1.362 -075 2.109 1 4 999 .075 2.162 1.678 1.575 1.508 1.397 .100 2.151 1.967 1.648 1.475 1.451 1.369 1.394 1.411 1.421 1.486 1.473 . 150 2.090 1.978 .150 2.111 1.595 1.618 1.659 .200 1.973 1.673 1.546 1.453 •200 •250 2.060 1.946 1.643 1.499 1.566 1.486 1.647 1.496 1.606 1.510 .300 1.690 1.418 1.922 1.966 1.640 -300 1.829 1.905 1.937 1.897 1.842 1.707 1.720 1.716 1.699 1.719 1.698 . 350 1.628 1.532 1.696 1.595 1.496 1.846 1.774 1.696 1.638 1.626 1.614 1.552 1.815 1.515 1.405 1.527 1.525 1 . 544 . 400 1.516 1.504 1.336 1.625 450 1.762 1.654 1.415 .500 1.564 1.571 1.534 •500 •520 1.439 1.597 1 426 1.264 1.566 1 . 436 1.485 1.331 1.438 1.374 1.202 .520 1.524 1.306 1.078 .538 1.522 1 . 628 1.452 •538 •710 1.398 1.441 1.475 1.440 1.255 1.257 1.260 1.526 1.387 2.069 1.378 1.530 1.518 1.257 .720 .740 .760 .780 1.473 1.533 1.256 1.413 2.015 1.527 1.386 1.399 .720 1.438 1.434 1.449 2.034 1.532 1.395 1.415 1.420 1.437 .740 2.094 1.537 1.386 1.402 1.406 1.265 1.390 1.424 1.424 1.424 1.265 1.270 1.274 1.996 A780 2.056 1.273 .800 1.423 1.961 1.542 1.411 1.418 1.408 2.026 1.556 1.401 .800 1 . 425 1.272 1.550 1.427 1.275 . 850 1.374 1.767 1.566 1 . 411 1.354 .850 1.775 1.492 1.513 1.420 1.406 1.218 1.442 1.533 1.421 1.418 1.515 1.489 1 4289 1.551 1.530 1.310 1.000 1.210 1.274 1.696 1.000 1.207 .367 .442 .494 . 404 . 466 . 552 .518 .625 .713 · 327 . 342 ing •431 •509 •607 .530 .010 .390 .334 .010 .131 .406 .658 .739 .817 .030 .204 ·484 •547 -030 ·436 .050 ·292 .414 • 340 .050 . 459 .540 4556 4591 .791 .581 .598 -634 .075 .659 .838 .100 .581 .614 .857 . 445 . 540 .100 -493 .590 .625 .661 .555 . 636 .678 4688 .729 .903 . 150 .714 .724 .768 .908 .150 .748 . 950 .943 .779 .200 .618 4718 .716 .200 .663 .770 .756 .781 .974 . 250 . 799 . 844 .250 .726 £822 .808 824 . 865 . 993 . 881 .855 . 899 .981 .300 .767 . 842 -300 .817 .890 .860 .901 .910 .350 . 854 . 866 .901 .350 .938 .870 .865 . 926 . 922 . 885 . 925 1.016 .921 .999 927 .874 . 926 .996 . 400 .400 1.013 .450 . 946 .911 0942 .987 .990 .905 ·450 .900 .895 1.025 .970 .983 1.055 1.065 1.013 1.023 4953 1.029 .997 1.038 .958 .913 976 1.048 1.023 •520 •540 1.015 1.046 1.013 1.023 1.103 .520 1.051 1.109 1.051 1.266 1.272 1.199 1 4 3 5 7 1.068 1.201 1.334 1.074 1.260 1.102 1.537 1.362 1.755 1.546 1.387 .710 1.553 2.031 2.116 1.589 .710 1.366 1.606 1.989 1.905 1.680 1.534 1.394 1.653 2.143 1.883 1.626 1.549 1.530 1.369 1.677 1.994 1.683 1.634 1.550 1.396 .760 1 . 645 .760 1.691 .780 1.703 1.378 2.012 1 4 684 1.530 1.361 1.552 .780 1.741 1.804 1.989 1.632 1.674 1.635 .800 1.658 1.440 1.996 1.552 1.397 .800 1.307 1.494 1.529 1.355 . 850 1.358 . 657 1.912 1.626 1.926 .762 .850 1.402 • 797 1.724 1.571 1.463 1.259 . 900 1.262 •727 •915 1.784 1.583 1.510 1.306 1.222 1.646 1.475 1.257 . 950 1.197 1.520 .950 1.211 .560 1.491 1.628 1.380 1.422 .560 1 . 425 1.165 .600 1.445 1.725 1.650 1.338 1.576 1.502 .600 .620 1.364 1.518 1.555 1.457 1.349 1.167 1.591 1.523 1.314 1.351 1.555 1 . 457 1.131 .640 1.401 1.700 1.252 1.311 1.647 1.583 1.521 .640 .660 1.340 1.431 1.081 1.529 1.440 1.575 1.515 1.191 1.420 1.035 1.123 1.624 1.480 . 680 1.400 1.607 1.567 1.521 1.225 -680 1.358 1.290 1.392 . 690 1.567 1.121 1 . 225 1.020 .690 1.307 1.484 1.367 1.678 1.615 Spoiler 1.594 1.595 1.025 1.268 1.410 1.019 1.547 1.234 . 580 .580 1.337 1.618 1.618 1.210 1.119 1.292 .600 1.687 .600 .620 1.422 1.587 1.547 1.694 1.358 . 620 1.580 1.556 1.191 1.320 1.377 .640 1.595 1.608 1.301 1.549 1.428 1.344 .640 .660 1.560 1.364 1.635 1.586 1.346 1.540 1.538 1.428 1.351 1.333 •680 •690 1.519 1.607 .680 1.460 1.531 1.605 1.530 1.511 1.289 1.264 .690 1.463 1.503 1.392 1.362 .560 . 225 .333 .530 .214 .288 .560 479 .560 .533 A 837 .769 .466 -506 4474 .824 .726 .600 · 649 • 734 .763 .874 .903 .732 .815 .860 1.188 1.261 1.380 .841 .807 .817 ·659 1.168 ·632 .699 .600 .620 .848 .811 .807 .789 .715 . 842 .823 .837 1.356 . 640 .640 .660 . 809 . 841 .795 1.283 .738 .736 -660 .798 .784 1.266 · 683 • 558 .670 ·691 ·546 •475 .673 ·634 •535 .680 4659 988 .535 .570 .688 .688 .000 1.349 1.558 2.318 1.503 1.360 1.158 1.341 1.182 2.258 1.387 2.353 1.483 .580 1.582 1.522 1.363 1.125 2.287 1.472 .580 1.575 1.540 1.354 1.596 1.533 1.590 1.546 1.550 1.552 1.370 .600 1.113 .600 .620 .640 .660 1.146 2.429 1.624 1.619 1.540 .620 1.162 2.342 1.628 1.599 1.540 1.541 1.540 1.644 1.358 2.327 1.753 1.616 1.377 1.362 1.848 1.829 1.615 1.380 1.305 2.315 1.321 2.288 .660 1.796 1.662 .680 1.505 2.183 1.774 1.623 1.546 1.381 1 . 649 1.541 1.358 1.382 . 688 1.142 2.074 1.779 .688

TABLE 18 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{s} = -0.120 \text{ c}; \delta_{d} = -0.09000 \text{ c}\right]$ 

c. = 16

a = 18 °

T		I	Pressure	coefficient	. Cp at	$\frac{y}{b/2} = -$			Pressure coefficient $C_p$ at $\frac{y}{b/2} = -$					
	x/c	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	•000	.987	1.208	•974	1.577	1.060	1.311	.000	.970	1.230	1.065	1.684	1.157	1.39
	.010	1.996	1.917	1.787	1.630	1.541	1.384	.010	1.821	1.811	1.787	1.666	1.563	1.40
	.030	1.995	1.899	1.775	1.632	1.541	1.384	.030 .050	1.806	1.800	1.777	1.666	1.569	1.40
	.050	2.010	1.904	1.779	1.640	1.544	1.392	.075	1.806	1.805	1.779	1.667	1.572	1.41
	.075	2.024	1.910	1.779	1.641	1.551	1.408	.100	1.808	1.808	1.781	1.665	1.573	1.41
	.100	2.026	1.913	1.776	1.644	1.563	1.427	.150	1.815	1.810	1.788	1.676	1.586	1.42
	•150 •200	2.015	1.915	1.791	1.661	1.579	1.457	.200	1.819	1.819	1.798	1.690	1.596	1:44
	.250	1.970	1.919	1.813	1.695	1.600	1.485	. 250	1.825	1.830	1.813	1.721	1.612	1047
	.300	1.932	1.918	1.844	1.736	1.626	1.518	• 300	1.830	1.844	1,829	1.753	1.626	1049
	.350	1.883	1.905	1.871	1.767	1 . 644	1.543	• 350 • 400	1.835	1.852	1.835	1.754	1.632	1.50
2	.400	1.845	1.887	1.874	1.778	1.656	1.551	. 450	1.843	1.837	1.805	1.708	1.614	1.44
Oppor	.450	1.785	1.851	1.849	1.739	1.631	1.446	.500	1.840	1.801	1.754	1.622	1.585	104
7	•500 •520	1.738	1.796	1.703	1.571	1.540	1.365	.520	1.832	1.778	1.741	1.582	1.568	1.3
	.538	1.707	1.712	1.654	1.514	1.504	1.244	.538	1.842	1.747	1.732	1.544	1.551	1.2
	.710	1.514	1.830	1.545	1.418	1.433	1.258	.710	1.737	1.698	1.522	1.435	1.432	1.2
	.720	1.520	1.846	1.550	1.416	1.426	1.261	.720 .740	1.727	1.693	1.530	1.444	1.433	1.2
1	e740	1.536	1.857	1.553	1.423	1.412	1.267	.760	1.700	1.695	1.533	1.448	1.440	1.2
	.760	1.524	1.876	1.554	1.427	1.424	1.272	.780	1.683	1.701	1.538	1.457	1.444	1.2
	.780	1.531	1.862	1.562	1.441	1.427	1.274	.800	1.657	1.702	1.541	1.461	1 . 445	1.2
	.800 .850	1.505	1.742	1.566	1.452	1.436	1.278	e 85 0	1.595	1.684	1.548	1.470	1.456	1.3
	950	1.303	1.551	1.541	1.434	1.416	1.259	. 950	1.441	1.590	1.537	1.515	1.486	1.2
-	1.000	1.259	1.276	1.665	1.512	1.485	1.291	1.000	1.388	10209	10000	10020	20100	
				251	. 242	.402	.510	.010	.049	.339	. 364	e 366	.395	05
	.010	.070	.330 .337	• 354 • 389	.363 .422	.447	.612	.030	.136	0322	.373	.404	. 424	0.5
	.030	• 166 • 255	.390	• 440	. 469	.528	.701	. 050	.224	.369	.415	. 468	e502	.7
	•075	• 339	.457	•508	.525	.568	•772	.075	.306	+428	. 476	· 499	o 534	.8
	.100	• 407	507	.554	.593	.637	.824	.100	.376	.479	.521 .618	.559 .636	679	. 8
	.150	.522	.606	.649	.672	.714	.892	• 150 • 200	•487 •553	• 573 • 657	674	.709	.761	. 9
	.200	.585	·689	•702	.740	•783	.946	. 250	.622	.719	.740	.766	.810	. 9
	.250	.657	.748	.767	.788 .832	.836 .874	994	.300	.711	.788	.803	.814	.858	49
	.300	• 740	.817	.826 .853	.872	907	1.007	. 350	.803	.861	.843	.858	. 896	1.0
ы	.350	.831 .899	.960	.936	.902	.928	1.019	. 400	.873	. 950	.931	.898	•922	1.0
We	.400 .450	• 972	.940	.934	.940	.950	1.024	a 45 Q	• 952	. 942	• 942	0948	.943	1.0
Lower	•500	1.004	1.030	1.039	.998	1.002	1.039	.500	.993	1.053	1.072	1.021	1.016	1.0
7	•520	1.015	1.120	1.132	1.081	1.084	1.053	.520	1.008	1.159	1.187	1.111	1.100	1.1
	.540	1.041	1.304	1.405	1.291	1.389	1.112	.540	1.036	1.365	1.502	1.348	1.540	1.3
- 1	.710	1.531	1.917	1.780	1.706	1.538	1.346	• 710 • 740	1.408	1.482	1.939	1.729	1.527	1.3
	.740	1.564	1.788	1.940	1.722	1.533	1.352	.760	1.363	897	10,2,	1.731	1.528	1.3
	.760	1.600	1.405	2.025	1.724	1.533	1.344	.780	1.380	.743		1.724	1.518	100
	.780	1.656	1.081 .755	2.032	1.719	1.518	1.325	. 800	1.356	. 644	2.004	1.703	1.510	1.2
	.800	1.577	.678	1.895	1.618	1.485	1.282	. 850	1.354	.741	1.861	1.596	1.479	1.2
	.850 .900	1.243	.840	1.682	1.543	1.463	1.247	. 900	1.357	. 900	1.622	1.496	1 . 447	1.2
	950	1.227	1.015	1.502	1.470	1.428	1.222	. 950	1.346	1.070	1 • 434	1.440	1.421	100
-								540	1.041	1.759	1.728			
	.560	1.676	1.726	1.653	1 501	1.544	1.358	.580	1.835	1.790	1.748	1.609	1.584	103
ы	•580	1.649	1.756	1.702	1.591	1.570	1.390	.600	1.829	1.812	1.760	1.648	1.601	104
be	•600 •620	1.595	1.798	1.733	1.660	1.592	1.368	.620	1.820	1.824	1.769	1.667	1.622	10
Upper	e640	1.572	1.795	1.718	1.673	1.604	1.312	o 640	1.808	1.833	1.788	1.687	1.636	103
n	.660	1.561	1.792		1.701	1.637	1.244	.660	1.797	1.845	1.004	1.744	1.706	102
	.680	1.546	1.773	1.748	1.730	1.663	1.179	. 680 . 690	1.774	1.837	1.886	1.744	1.706	10
	.690	1.550	1.727	1.780	1.728	1.689	1.171	0090	16/14	1000	44744	20124		
				1 000				.560		1.831	2.120			
er	•560		1.694	1.933	1.777	1.022	1.302	.580		1.842	2.140	1.888	1.037	1.
2, 5,	•600		1.706	1.932	1.787	1.141	1.363	.600		1.850	2.120	1.890	1.179	10
rei	»620		1.712	1.933	1.785	1.237	1.384	. 620		1.860	2.123	1.881	1.394	10
Lower	.640		1.701	1.876	1.763	1.336	1.390	.640		1 . 854	1.989	1.849	1.458	1.
Н	.660		1.700	1.794	1.743	1.391	1.363	.680		1.855	1.741	1.771	1.559	1.
	.680		1.643	1.716	1.695	1.496	1.312	. 690		1.805	20112	1.743	1.654	1.
	•690		1.665	1.717	10011	19371								
	•560		.251	•394	•341	.545	.609	.560		. 263	.432	•370	4559	
	•580		.515		•592	.864	.795	.580		• 543	. 692	.635	.895	
per	.600		.683	.856	.809	1.214	.863	.600		e 720	0919	e 856	1.263	
·do	•620		.769	.964	.891	1.292	.862 .823	620 640		. 805 . 909	1.044	977	1.465	
30	•640		.876	.986	.935 .858	1.413		. 660		. 846	. 964	e 896	1.350	
T C	•660		.824 .688	•918 •718	.858 .717	.996		. 680	)	. 696	.751	0738	1.026	
Upp	•680 •688		.567		.616	.813		. 688		. 584	.622	.639	. 838	•
ector	.050				.477	1	1.334	. 560	1.153	2.598	1.363	1.599	1.473	1.
ec	.560	1.155	2.337			1.510		-580	1.107	2.769		1.622	1.503	1.
	•580	1.109	2.382			1.519			1.112			1.642	1.518	10
ower	0600					1.540			1.142		1.599	1.652	1.528	10
Lo		1.148						. 64	0 1.176	2.504	1.689		1.534	10
	0660	1.308				1.541	1.350	. 66	0 1.267	2.144				10
	0680	1.478			1.707	1.541	1.351	, 68	0 1.409	1.768		1.689		
		1.160				1.543	1.346	ø 68	8 1.177	1 0 6 4 4	1.807	1.689	10536	4.9

TABLE 18 .- PRESSURE COEFFICIENTS - Continued

 $\left[\delta_{S} = -0.120_{C}; \delta_{d} = -0.09000_{C}\right]$ 

				$\alpha = 20^{\circ}$		L			ا		$\alpha = 22^{\circ}$			
	x/c		Pressure	coefficien	nt Cp 8	at $\frac{y}{b/2} = $	-	]		Pressure	coefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
	11,0	0.15	0.30	0.50	0.70	0.85	0.97	x/c	0.15	0.30	0.50	0.70	0.85	0.97
	.000 .010 .030	1.053 1.826 1.826	1.337 1.816 1.818	1.150 1.797 1.787	1.761 1.679 1.679	1.314 1.613 1.615	1.486 1.463 1.467	.000 .010 .030	1.138 1.846 1.853	1 • 455 1 • 848 1 • 857	1.211 1.793 1.789	1.868 1.740 1.739	1.389 1.631 1.632	1.557 1.530 1.535
	•050	1.826	1.820	1.787	1.683	1.620	1.474	•050	1.854	1.861	1.795	1.746	1.636	1.539
	•100 •150	1.827	1.824	1.793	1.684	1.620	1.478	•100 •150	1.856	1.864	1.796	1.748	1.641	1.546
	•200 •250	1.845	1.834	1.805	1.706	1.650	1.493	•200 •250	1.869	1.874	1.807	1.763	1.657	1.557
	•300	1.854	1.849	1.816	1.736	1.659	1.512	• 300 • 350	1.877	1.880	1.813	1.773	1.666	1.568
Upper	•400	1.854	1.846	1.808	1.717	1.651	1.515	• 400	1.871	1.875	1.800	1.741	1.659	1.565
5	8500	1.841	1,821	1.789	1.627	1.641	1.507	• 450 • 500	1.862	1.868	1.784	1.723	1.649	1.557
	•520 •538	1.832	1.809	1.767	1.619	1.626	1.446	•520 •538	1.851	1.848	1.786	1.707	1.642	1.515
	•710	1.759	1.672	1.523	1.455	1.481	1.342	•710 •720	1.763	1.680	1.515	1.494	1.488	1.396
-	•740 •760	1.732	14676	1.527	1.460	1.487	1.349	•740	1.727	1.693	1.516	1.501	1.491	1.405
9	•780 •800	1.695	1.685	1.535	1.471	1.498	1.361	.780 .800	1.662	1.693	1.524	1.508	1.493	1.412
Surface:	•850 •950	1.626	1,671	1.539	1.481	1.504	1.365	.850 .950	1.626	1.668	1.529	1.520	1.506	1.418
g Su	1.000	1.449	1.292	1.618	1.509	1.523	1.333	1.000	1.488	1.299	1.598	1.537	1.523	1.380
Wing	.010 .030	•032 •108	•350 •303	•373 •358	•370 •387	.408 .414	•521 •583	.010 .030	.018 .082	0376 0294	· 383 • 345	• 394 • 378	•412 •405	•545 •585
	•050 •075	•194 •276	• 344 • 392	•387 •440	. 462 . 469	.481 .511	o666	• 050 • 075	• 165 • 248	• 327 • 368	• 369 • 418	o 466	· 458	.671 .755
	•100 •150	• 340 • 450	.443 .534	•486 •578	•526 •605	•579 •659	.804 .878	• 100 • 150	•309 •418	•412 •503	• 462 • 546	•503 •581	•552 •632	.811 .888
	•200 •250	•520 •588	.618 .684	•637 •707	.679 .738	•737 •799	•935 •968	• 200 • 250	•482 •557	.585 .650	· 604	• 649 • 720	•718 •771	•951 •987
1	•300 •350	.680 .777	• 754 • 827	.769	.781 .841	.845 .890	.995 1.019	• 300 • 350	•649 •747	6726 6799	•740 •789	.771 .828	.825 .871	1.017
Lower	•400	.841	.926	•909	.877	.930	1.043	.400	.809	. 897	. 886	.877	.916	1.071
19	•450 •500	• 934 • 974	1.054	.927 1.073	1.026	1.041	1.065	• 450 • 500	•904 •958	.918 1.052	1.063	1.045	1.040	1.098
	•520 •540	• 989 1 • 025	1.163	1.193	1.124	1.135	1.127	•520	.978	1.405	1.187	1.149	1.126	1.173
	•710 •740	1.354	1.121	1.734	1.696	1.559	1.325	•710 •740	1.319	6923 6743	1.683	1.692	1.531	1.349
1115	•760 •780	1.264	•723 •667	1.981	1.712	1.546	1.321	.760	1.214	. 682	1.933	1.702	1.526	1.353
-	•800	1.211	•648	1.942	1.661	1.527	1.315	.780 .800	1.195	• 668 • 668	1.914	1.647	1.514	1.342
	•850 •900	1.258	• 784 • 935	1.789	1.550	1.495	1.276	. 850 . 900	1.171	· 817	1.468	1.518	1.483	1.288
	•950	1.353	1.095	1.384	1.400	1.446	1.228	• 950	1.339	1.123	1.336	1.377	1.436	1.238
H	•560 •580	1.838	1.823	1.764	1.632	1.648	1.452	•560 •580	1.851	1.849	1.781	1.712	1.660	1.520
Tppe	•600	1.830	1.833	1.787 1.796	1.665	1.655	1.469	.600 .620	1.842	1.865	1.801	1.740	1.687	1.533
ace	•640 •660	1.819	1.849	1.820	1.683	1.691	1.447	• 640 • 660	1.831	1.873	1.841	1.748	1.705	1.528
surface: Upper	•680 •690	1.798	1.866 1.835	1.908	1.731	1.736	1.407	. 680 . 690	1.806	1.894	1.891	1.787	1.733	1.517
Spoiler	•560 •580		1.881	2.203	1.949	1.067	1 424	•560		1.947	2.218			
Spc	.600		1.904	2.231	1.939	1.232	1.543	.580 .600		1.961	2.259	2.027	1.064	1.652
Sp	.620 .640		1.915	2.201	1.886	1.349	1.551	• 620 • 640		1.982	2.029	1.986	1.352	1.673
	•660 •680		1.907	1.814	1.866	1.522	1.494	• 660 • 680		1.964	1.804	1.931	1.523	1.615
	•690		1.849	1.827	1.777	1.725	1.413	•690		1.894	1.833	1.842	1.736	1.511
H	•560		• 268 • 555	•457 •719	•400 •665	•601 •951	.704 .885	•560 •580		• 285 • 581	· 472 • 733	·431 •697	·617	•761 •933
surface: Upper	•600		•739 •824	•948 1•070	.891 .968	1.347	• 955 • 947	.600 .620		• 765 • 850	1.081	.930 1.007	1.4355	1.002
face	.640 .660		•922 •863	1.071 .992	1.002 .923	1.546	.900 .813	• 640		• 947 • 884	1.077	1.038	1.556	•938 •851
	•680 •688		•703 •594	•760 •626	.744 .651	1.106	•586 •489	.680 .688		• 717 • 603	•770 •629	• 762 • 672	1.130	·609 •506
Deflector	•560 •580	1.142	2.785	1.349	1.585	1.469	1.301	• 560 • 580	1.130	2.902	1.325	1.584	1.444	1.322
Defi	•600	1.104	3.049	1.524	1.632	1.519	1.309	.600	1.095	3.161	1.505	1.630	1.491	1.329
Def	.640	1.159	2.390	1.633	1.690	1.544	1.322	e 640		2.816	1.546	1.641	1.518	1.334
	.680	1.243	1.848	1.0747	1.706	1.549	1.325	.680	1.345	1.529	1.690	1.675	1.520	1.346
	•688	1.191	1.341	1.762	1.672	1.548	1.326		1.206	1.189	1.713	1.671	1.523	1.348

TABLE 18 .- PRESSURE COEFFICIENTS - Concluded

 $\delta_{c} = -0.120 \, c; \, \delta_{d} = -0.09000 \, c$ 

			α	= 23 0							0.01
T		. 1	Pressure co	pefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$		x/c	P	ressure c	oefficier
	x/c	0.15	0.50	0.50	0.70	0.85	0.97	Α, σ	0.15	0.30	0.50
1	000	1.177	1.523	1.307	1.901	1.475	1.595	.000			
	.000 .010	1.177	1.872	1.846	1.763	1.667	1.572	•010			
	.030	1.872		1.846	1.762	1.669	1.574	.050			
	.050	1.875		1.846	1.769	1.672	1.584	.075			
	.075	1.876			1.774	1.678	1.587	.100			
	.100	1.875	1.882		1.778	1.685	1.597	.150			
	.150	1.884			1.781		1.595	.200			
	•200 •250	1.900	1.897	1.857	1.785	1.700	1.604	.250			
	•300	1.901	1.897	1.856	1.780		1.604	• 300			
	.350	1.900	1.897	1.849	1.770		1.607	• 350 • 400			
er	.400	1.899	1.893	1.839	1.753	1.685	1.590	450			
Uppe	.450	1.886	1.887	1.830	1.731	1.679	1.570	.500			
2	•500	1.886	1.879	1.832	1.746	1.685	1.555	.520			
	•520	1.878	1.860	1.839	1.743	1.684	1.540	0538			
	•538 •710	1.766	1.718	1.542	1.500	1.518	1.423	.710			
	.720	1.758	1.719	1.539		1.510	1.427	• 720			
	.740	1.732	1.738	1.543	1.504	1.516	1.432	.740			
	.760	1.710	1.738	1.546	1.509	1.523	1.437	.780			
	.780	1.692	1.725	1.550	1.517	1.528	1.443	.800			
	.800	1.663	1.716	1.556	1.528	1.534	1.447	.850			
	.850	1.623	1.604	1.545	1.511	1.502	1.413	.950			
	.950 1.000	1.537	1.301	1.611	1.539	1.546	1.408	1.000			
	.010	.016	.391	s406	.408	.428	•557	.010			
	.030	.074	.290	.343	• 373	. 403	•594	.030			
	.050	.159	.309	•358	. 465	. 444	•665 •755	.075			
	.075	.243	.349	•402	• 428 • 479	. 478 . 539	.815	.100			
	.100	• 301	.391	•440 •526	•559	.616	.894	. 150			
	•150		.480	•584	.633	.702	.960	.200			
	•200		.560 .624	•658	.700	.755	.996	. 0250			
	• 250		.700	.724	.751	.815	1.029	.300			
	•350		.776	.776	.815	. 867	1.052	. 350			
10	.400		.877	.876	.865	.906	1.089	. 400 . 450			
Lower	.450		.905	.908	• 936	.950	1.115	.500			
2	.500		1.048	1.070	1.047	1.044	1.158	.520			
	.520		1.173	1.197		1.514	1.287	.540			
	•540		1.415	1.551	1.422	1.534	1.357	.710			
	.710		.842	1.821		1.523	1.362	.740			
	6740		.668	1.903		1.531	1.361	.760			
	.760		.667	1.883	1.653	1.517	1.349	.780			
	.800		.674	1.840	1.610	1.511	1.345	.800			
	.850	1.153	.828	1.663	1.474	1.496	1.290	.850 .900			
	.900	1.257	.963	1.414	1.370	1.468	1.224	. 950			
	• 950	1.336	1.128	1.302	1.350	18447	10250				
	.56	1.880	1.865	1.829	1.751	1.695	1.564	• 560 • 580			
	4580			1.858	1.765	1.706	1.575	.600			
	•60 •62			1.870	1.774	1.725	1.584	. 620			
	.60 .62			1.892	1.785	1.738	1.574	. 640			
surface:	.66		1.897		1.802	1.756	1.562	. 660 . 680			
rfa	.68	0 1.812	1.910	1.923	1.817	1.765	1.576	. 690			
	069	0 1.805	1.870	1.925	1.818	1.767	10277				
Spoiler	•56		1.992	2.266	2.049	1.083	1.615	.560 .580			
0.	•58		2.006	2.313	2.032	1.258	1.711	.600			
Sp	H .60		2.013	2.275	2.006	1.371	1.746	.620			
	Lower Lower		1.995	2.081	1.973	1.467	1.750	. 640			
	3 .66		1.981	1.846	1.954	1.548	1.692	.660			
	.68	0	1.875	1.749	1.888	1.660	1.612	. 690			
	•69		1.907	1.878	1.857	1.764	1.575				
	.56		•300	•497	· 452	.641 .996	.793 .963	• 560 • 580			
	•58		•600	•757 •989	•720 •949	1.400	1.030	.600			
	96 oer		.782 .867	1.108	1.025	1.470	1.017	. 620			
	ddn		.962	1.104	1.053	1.594	.960	0640			
306	066		.898	1.020	o 968	1.479	.870	0 660			
urfs	468	30	•732 •610	•788 •640	.767 .675	1.168		• 680 • 681			
1 V.	068							511	2		
10	0.50	0 1.12 0 1.08	5 2.897 3 3.205	1.324	1.564	1.438	1.324	. 56 . 58			
1 +	0.51		1 3.182			1.489	1.327	060	0		
tool		1609	7 30107			1.502	1.333	062	0		
oflort	6	20 1.11	4 2.708	1.529	1.613		40000				
Dofloctor	ower ower	20 1.11	4 2.708	1.566	1.660	1.512	1.339	0 64	0		
Doflect	Lower Lower	20 1.11 40 1.14	2.708 1 1.894 6 1.322	1.566	1.660	1.512	1.339		0		

X/C		P	ressure c	oefficient	C <sub>p</sub> at	$\frac{y}{b/2} = -$	
0300 0500 0500 0750 -1000 -1500 -1500 -2000 -2500 -3500 -4500 -4500 -5500 -5500 -5500 -7800 -8800 -8800 -8800 -8500 -9500 -0750 -1000 -1500 -2000 -2500 -350	x/c	0.15	0.30	0.50			0.97
.540 .710 .740 .750 .780 .8800 .850 .900 .950 .560 .6580 .600 .640 .640 .660 .680 .690	010 030 050 075 100 150 2200 2200 2300 300 5538 710 6740 6740 6750 6760 6760 6760 6760 6760 6760 676						
.690 .560 .580 .600 .620 .640 .660	. 450 . 500 . 520 . 540 . 710 . 760 . 780 . 880 . 990 . 560 . 600 . 640 . 660						
	. 560 . 580 . 600 . 620 . 640 . 660						
	. 56 . 58 . 60 . 62 . 64 . 66 . 68	0					

TABLE 19.- INTEGRATED SECTION COEFFICIENTS

δ<sub>S</sub> = -0.000 c; δ<sub>d</sub> =-0.0000 c

α,		Section	n coefficier	nts at $\frac{y}{b/2}$	= -			Section	n coefficien	its at $\frac{y}{b/2}$	= -	
leg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97
			cn	,w		100			cm	w,w	-	riji i
-4	•2623-	•2882-	• 2775-	.2515-	.2075-	.1364-	•0465	.0325	.0145	.0008-	• 0075-	.0153
-2	•1429-	•1741-	.1465-	.1243-	.1106-	.0663-	•0418	•0306	.0114	.0010-	.0069-	.0024
0	•0229-	.0381-	.0203-	.0072	.0081	•0304-	00393	.0305	.0114	.0019	• 0006-	.0022
2	•1031	.1013	.1773	.1489	•1272	• 0540	•0341	.0292	.0126	.0057	• 0057	0003
4	•2515	• 2461	• 2672	.2719	.2332	•1452	00326	.0277	•0112	•0063	• 0074	.010
6	•3758	.3914	• 3808	•4032	•3118	• 2272 • 2718	•0322 •0261	.0304	.0060 .0232-	•0046- •0353-	•0380 •0192-	.019 .028
8	•5040	•5774	.6386	•5142	•4079		00312	.0235	•0651=	•0644-	00456-	0034
10	•6829	•7608	•7686 •8220	.6278 .6883	•5017 •5763	• 3022 • 3270	00218	.0280-	.0868-	.0838-	.0693-	.040
12	•7934	.9001	.8683	.7196	6055	• 3420	00197-	.0861-	.1067-	.0961-	.0815-	0046
14	•8649	• 9745	.8892	.7430	.6118	• 3450	.0615-	.1182-	.1176-	•1025-	.0864-	.049
16	•9232 •9779	9989	9027	.7477	.6283	• 3441	0950-	.1331-	.1253-	•1037-	.0895-	050
20	1.0212	1.0051	• 9239	.7599	.6358	• 3245	1213-	.1427-	.1292-	.1050-	.0902-	0048
22	1.0232	• 9484	.8944	.7466	•6565	• 3523	1353-	.1393-	.1259-	•1036-	0929-	.051
23	•9708	.8955	.8886	.7477	.6571	.3596	e1380-	.1326-	·1255-	.1034-	.0921-	.051
	.7700	00700	.0000	.1411	*0511	*3370	*1500	.1320			,	
			cn	,s					ch	,s		
4	1.0817	•0178	.0094-	.0163	.0045-	.0268	·5402-	.0169-	.0063	.0008-	• 0070	.009
2	1.1093	.0688	.0330	.0563	.0353	.0221	•5529-	.0417-	.0137-	.0188-	.0134-	.007
0	1.1443	•0996	•0655	.0837	.0588	.0174	●5693-	.0541-	.0294-	.0306-	0242-	.004
2	1.1867	•1312	•1039	.0980	.0556	•0377	•5897-	.0676-	.0472-	.0368-	.0213-	.014
4	1.2223	• 1657	•1305	.1102	.0392	.1115	e6061-	.0844-	.0607-	•0446-	.0148-	.052
6	1.2472	•1950	•1553	.1395	.0401	.1788	06179-	.0997-	.0717-	.0580-	.0217-	.085
8	1.2871	.2260	•3116	.2539	e1329	e 2143	a6376=	.1184-	·1399-	.1106-	.0592-	e103
0	1.3405	• 2654	•5096	.3393	.2689	• 2407	•6615-	.1409-	•2368-	.1514-	• 1263-	0116
2	1.3523	• 4542	•6029	.3917	• 3648	• 2534	06676-	.2198-	• 2856-	•1775-	• 1751-	e124
4	1.4260	•6847	•6797	•4226	.4052	• 2651	•7022-	.3313-	.3288-	.1942-	• 1985-	.130
6	1.6365	• 7886	•7039	.4391	•4123	• 2766	.8054-	•3858-	.3448-	.2038-	• 2037-	0137
8	1.8116	.8122	•7082	•4273	•4131	• 2768	•8953-	•4011-	• 3496-	•1991-	• 2063-	0139
0	1.8726	.8036	•7031	.4141	.3974	• 2481	•9301-	.3919-	• 3484-	1936-	• 1984-	1112
22	1.8878	•7337	•6540	.3715	•3921	. 2764	•9394=	.3669-	• 3259-	•1734-	• 1963-	• 138
23	1.8250	•6541	•6180	•3510	•3749	é 2786	•9120-	•3293-	•3083-	+1643-	• 1881-	•139
			cr	ı,d					ch	,d		
-4	1.3593-	.2724-	.1300-	.1275-	.0272-	.0774-	a6944-	.1689-	.0743-	.0730-	• 0165-	.023
2	1.3170-	.2540-	•1051-	.1147-	.0259-	.0271-	•6715-	.1576-	.0572-	.0626-	.0115-	.002
0	1.2871-	• 2275-	.0795-	.0926-	.0178-	.0139-	•6552-	.1403-	.0431-	.0506-	.0060-	.003
2	1.2556-	• 1899-	•0533-	.0523-	.0206	.0086-	•6364-	•1175-	.0291-	.0270-	•0152	.007
4	1.2172-	•1572-	.0235-	.0311-	.0600	.0193-	o6146-	.1011-	.0126-	.0185-	0358	.000
6	1.1782-	•1241-	•0036	.0089	.0752	.0171-	•5927-	0829-	.0017	•0032	• 0383	.001
8	1.1393-	.0896-	.0344	.0434	•1107	.0168-	•5699-	.0645-	.0182	.0219	• 0625	.001
0	1.1081-	•0602-	.0491	.0950	•1092	.0196-	•5516-	.0486-	•0269	•0497	0629	.001
2	1.0844-	•0444-	.0540	.1227	.1169	.0040-	•5376-	.0401-	•0299	•0655	0684	.010
4	1.0702-	•0345-	•0574	.1317	.1211	.0067	•5289-	.0333-	.0335	0708	• 0711	.017
6	1.0643-	•0245-	.0665	.1392	•1242	.0088	a 5244-	.0275-	.0391	•0758	• 0733	.019
8	1.0562-	•0023-	.0811	.1536	.1389	.0062	•5177-	.0161-	.0477	0834	• 0817	.018
0	1.0398-	•0271	•1042	.1756	• 1551	.0048	•5055-	.0000	•0604	•0953	• 0901	.009
2	1.0324-	•0429	•1223	.2070	.1767	.0149	• 4995-	.0079	• 0702	1121	• 1019	•022
23	1.0243-	•0700	•1515	.2303	.1913	.0163	•4932-	.0216	.0855	•1239	•1095	0023

TABLE  $_{20}$  .- INTEGRATED SECTION COEFFICIENTS  $\left[ \delta_{_{\rm S}} = \text{-0.005 c}; \delta_{_{\rm d}} = \text{-0.0000c} \right]$ 

α,		Sectio	n coefficier	nts at $\frac{y}{b/2}$	= -			Section	n coefficien	its at y	= -	
deg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0,50	0.70	0.85	0.97
			cn	,w				-	cm	ı,w		
-4 -2 0	•2582- •1420- •0240-	.2839- .1615- .0330-	• 2728- • 1577- • 0223-	.3020- .1729- .0465-	•2009- •1094- •0066	•1226- •0578- •0047- •0405	00466 00419 00401	.0287 .0280 .0250 .0247	.0142 .0119 .0115	.0010 .0010 .0037	.0093- .0084- .0031- .0050	.0120 .0012 .0026
2 4 6 8	.0893 .2403 .3732	•1073 •2513 •4066 •5844	• 1284 • 2595 • 3683 • 6415	.1002 .2177 .3591 .4636	• 1359 • 2225 • 3189 • 4190	•1286 •2202 •2774	.0345 .0325 .0327 .0255	•0228 •0270 •0373	•0103 •0050 •0231=	.0077 .0049-	.0058 .0024- .0224-	.0092- .0195-
10 12 14	.6920 .7917 .8645	•7702 •9074 •9757	.7770 .8262 .8630	.5601 .6222 .6615	•5122 •5871 •6041	• 2984 • 3220 • 3457	.0319 .0214 .0188-	.0188 .0303- .0862-	.0683- .0916- .1102-	.0643- .0834- .0980-	.0485- .0718- .0802-	.0306- .0391- .0464-
16 18 20	.9246 .9713 1.0035	.9967 1.0069 1.0181	.8868 .9092 .9180	.6800 .6955 .7096	.6163 .6256 .6336	• 3424 • 3465 • 3486	.0608- .0920- .1176-	•1195- •1367- •1478-	•1213- •1275- •1296-	.1036- .1069- .1076-	.0854- .0855- .0894-	.0489- .0501-
22 23	1.0058 .9586	• 9325 • 8942	• 8868 • 8664	.6904 .6829	.6618 .6701	. 3616 . 3666	•1322- •1376-	•1414- •1368-	•1249- •1226- c <sub>h</sub>	•1052- •1044-	.0933- .0944-	•0512- •0517-
			cn	,S								
-4 -2 0	1.0716 1.1093 1.1504	.0751- .0803-	.0903- .0893-	.1041- .0972- .0829-	.0704- .0741-	.0696- .0940- .1049-	•5351- •5535- •5730-	.0329 .0337 .0231	.0377 .0369 .0324	.0531 .0496 .0437	.0249 .0253 .0242	.0306 .0415
2	1.1805	.0375-	.0575-	.0598-	.0571-	0952-	•5868- •6064-	.0170 .0133	.0238 .0233	.0329 .0332	.0190 .0231	e0421
6 8	1.2219 1.2503 1.2875	•0277- •0215- •03 <b>59-</b>	.0527- .0406-	.0610- .0359-	.0596- .0523- .0265-	.0407- .0322 .0456	•6201- •6382-	.0117 .0174	.0209 .0145-	.0251 .0084-	.0272 .0198	.0154- .0205-
10 12 14	1.3392 1.3564 1.4273	.0538- .0560	•1623 •1909 •1954	.0687 .1006	.0619 .1056	.0448 .0371 .0392	•6618- •6704- •7030-	.0259 .0143-	.0627- .0819-	•0257- •0440- •0556-	.0235- .0496-	*0195- *0166-
16 18 20	1.6483 1.8003 1.8552	*1721 *1382 *1081	•1661 •1471 •1305	.1055 .0912 .0781	.1073 .0934 .0829	.0366 .0304 .0236	.8102- .8893- .9210-	.0757- .0647-	.0839- .0757-	.0542- .0481-	.0567- .0517-	•0193 •0172 •0142
22 23	1.8584	•0702 •0584	•1137 •0953	.0716 .0625	.0604 .0557	• 02 <b>6</b> 9 • 02 <b>7</b> 4	69248- 69098-	.0370- .0326-	.0609= .0509=	•0393- •0346-	• 0345- • 0317-	.0158- .0161-
			c,	n,d					ch	,d		
-4 -2	1.3456-	•1157- •0498-	.0349- .0246	•0049 •0534	•0773 •1166	•0457 •1053	•6878= •6698=	.0604- .0250-	•0278- •0069	•0060- •0220	.0359 .0600	•0309 •0597
0 2 4	1.2909- 1.2514- 1.2180-	.0068- .0492 .1092	.0729 .1188 .1686	.0913 .1320 .1611	•1508 •1706 •1929	• 1278 • 1285 • 1268	.6566- .6345- .6148-	.0017- .0283 .0588	•0325 •0569 •0831	•0418 •0655 •0788	.0789 .0894 .1017	• 0705 • 0722 • 0725
6 8 10	1.1823- 1.1441- 1.1076-	•1632 •2335 •3391	• 2104 • 2949 • 0115	.2057 .2860 .3939	•2195 •2923 •3429	• 1372 • 1766 • 2042	•5940= •5720= •5512=	.0872 .1232 .2694	• 1057 • 1484 • 2077	•1020 •1430 •1991	• 1157 • 1512 • 1793	• 0775 • 0985 • 1135
12 14 16	1.0907- 1.0741- 1.0685-	•4337 •5742 •6846	•4839 •5529 •6213	• 4534 • 5030 • 5371	•3992 •4278 •4472	• 2249 • 2519 • 2583	•5408- •5308- •5265-	•3168 •3877 •4415	•2452 •2812 •3171	•2302 •2566 •2744	• 2093 • 2244 • 2343	•1240 •1382 •1414
18 20 22	1.0571- 1.0352- 1.0258-	•7749 •8275 •7939	.6644 .6890 .6739	.5660 .5874 .5758	.4697 .4862 .5226	• 2697 • 2747 • 2832	•5179= •5039= •4962=	•4872 •5133 •4970	• 3393 • 3529 • 3459	•2900 •3013 •2961	• 2460 • 2558 • 2749	<ul><li>1465</li><li>1494</li><li>1541</li></ul>
23	1.0234-	.7661	•6717	•5726	·5288	• 2866	64928-	• 4833	• 3456	•2948	2787	•1555

TABLE21 .- INTEGRATED SECTION COEFFICIENTS  $\left[\delta_{\text{S}} = -0.010 \text{ c}; \delta_{\text{d}} = -0.00000 \text{ c}\right]$ 

α,		Section	on coefficie	ents at $\frac{y}{b/2}$	= -			Sectio	n coefficier	nts at $\frac{y}{b/2}$	= -	
deg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97
			c	n,w					cn	n,w		
2 0 2 4 6 8 10 12 14 16 18	.2524- .1392- .0214- .0976 .2462 .3797 .5035 .7755 .7960 .8700 .9323 .9714	.2801- .1540- .0207- .1200 .2603 .4060 .5766 .7724 .9122 .9802 1.0003 1.0050	2775- 1407- 0055- 1406 2734 4038 6509 7784 8246 8533 8873	.2605- .1269- .0008 .1484 .2702 .4002 .4934 .5872 .6521 .6521 .67309	.2056- .1011- .0093 .1149 .2467 .3311 .4151 .5005 .5727 .6062 .6234 .6364 .6364	. 1243- .0625- .0055- .0392 .1335 .2080 .2592 .2969 .3175 .3443 .3510 .3496	*0446 *0411 *0381 *0340 *0325 *0320 *0253 *0352 *0186 *0226- *0650- *0959- *1185-	.0275 .0244 .0229 .0216 .0215 .0297 .0347 .0176 .0338- .0930- .1183- .1354- .1456-	.0075 .0064 .0063 .0080 .0077 .0010 .0270- .0696- .0917- .1099- .1224- .1297- .1304-	.0020- .0012- .0002 .0031 .0052 .0044- .0277- .0519- .0710- .0842- .0912- .0936-	0112- 0104- 0048- 0001 9052- 0129- 0220- 0459- 0668- 0795- 0846- 0887- 0889-	0128 0015 0019 0030 0092 0169 0266 0338 0385 0463-
22	1.0050 .9908 .9248	1.0138 .9461 .8998	.9224 .8603 .8370	•7356 •7027 •7178	•6485 •6388	• 3693 • 3774	•1321- •1331-	• 1416- • 1360-	•1221- •1188-	.0886- .0915-	.0901- .0889-	•0516- •0529-
			C <sub>1</sub>	n,s					ch			
4 2 0 2 4 6 8 0 2 2 3	1.0786 1.1185 1.1590 1.1906 1.2279 1.2459 1.2958 1.3419 1.3703 1.4375 1.6622 1.7977 .0000 1.8569 1.7806	*1458- *1381- *1172- *0999- *0888- *0769- *0922- *1168- *0178 *2227 *2042 *1802 *1410 *1277	•1372- •1310- •1167- •0981- •0893- •0693- •0484 •1536 •1911 •1996 •1715 •1599 •1475 •1304 •1221	•1516- •1478- •1333- •1107- •1063- •0687- •0312 •0707 •1295 •1660 •1647 •1483 •1339 •1125 •1072	•1156- •1200- •1135- •1016- •0992- •0769- •0250- •0687 •1246 •1441 •1441 •1138 •1026 •0903	01041- 01280- 01325- 01212- 00617- 0044- 00538- 0542- 0502- 0538- 0484- 0444- 0472	65409- 65598- 5792- 65939- 6113- 6440- 6632- 6785- 8180- 8886- 0000 69260- 8920-	0599 0547 0473 0395 0364 0321 0370 0505 0018 0498- 0718- 0688- 0590- 0438- 0393-	.0507 .0483 .0425 .0353 .0344 .0297 .0137- .0607- .0835- .0961- .0894- .0855- .0874- .0701-	.0672 .0643 .0588 .0483 .0486 .0373 .0069- .0284- .0639- .0877- .0907- .0842- .0654- .0654-	0391 0404 0374 0331 0380 0356 0189 0270- 0582- 0736- 0781- 0715- 0646- 0586-	.0440 .0553 .0571 .0519 .0240 .0049 .0175 .0237 .0297 .0310 .0292 .0262
				n,d								
4 2 0 2 4 6 8 10 12 14 16 18 20 22	1.3471- 1.3214- 1.2969- 1.2583- 1.2204- 1.1726- 1.1445- 1.0977- 1.0962- 1.0727- 1.0681- 1.0469- 0.0000	.0398- .0211 .0690 .1201 .1815 .2264 .2915 .3741 .4566 .5955 .6652 .7431 .7945	0231 0825 1277 1703 2272 2662 3183 4203 4857 5468 6695 6886	.0686 .1223 .1562 .1973 .2301 .2532 .3112 .3620 .4433 .4751 .5075 .5376 .5525 .5367	•1237 •1683 •1942 •2102 •2430 •2462 •2935 •3236 •3685 •4020 •4270 •4543 •4641 •4818	0832 1432 1620 1561 1518 1417 1605 1839 2058 2367 2473 2544 2663 2742	6682- 6738- 6575- 6374- 6156- 5890- 5721- 5464- 5298- 5256- 6000 4993- 4911-	0229- 0099 0362 0635 0954 1187 1522 1949 2374 3094 2432 4108 4011	.0050 .0365 .0606 .0835 .1124 .1334 .1606 .2123 .2457 .2778 .3164 .3516 .3310 .3256	0250 0559 0742 0978 1131 1251 1560 2245 2412 2584 2747 2827 2760	0604 0861 1008 1097 1267 1267 1268 1500 1680 1917 2096 2236 2383 2437 2530	0508 0794 0877 0860 0850 0894 1026 1138 1299 1358 1450 1492

TABLE <sup>22</sup> .- INTEGRATED SECTION COEFFICIENTS  $\left[\delta_{\rm S} = \mathfrak{D}_{\bullet}020~c; \delta_{\rm d} = \mathfrak{D}_{\bullet}00000~c\right]$ 

α,		Section	n coefficie	nts at $\frac{y}{b/2}$	= -			Section	n coefficier	nts at y	= -	
deg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97
			cr	ı,w					cn	ı,w		
-4	.2425-	.2693-	• 25 42-	.2605-	.1874-	.1104-	• 0407	.0168	.0050-	.0167-	.0262-	.0044
-2	.1259-	• 1355-	.1291-	.1269-	• 1231-	.0466-	•0362	.0143	•0073-	.0156-	.0154-	.0061
0	•0118-	•0121-	.0082	.0008	•0149	•0051-	• 0330	.0123	.0082-	.0138-	.0199-	.0026
2	.1183	•1314	• 1627	.1484	• 1529	.0537	• 0294	.0115	•0079-	.0035-	.0133-	.0006
4	• 2573	• 2629	• 2806	• 2.702	• 2484	•1108	•0272	.0135	.0022-	•0092-	• 0032-	.0054
6	•3904	.4216	• 3789	•4002	.3334	.1934	•0294	.0181	•0039-	•0071-	.0079-	.0148
8	•5115	•5875	•6257	•4934	.4113	• 2614	•0231	.0276	.0258-	.0285-	• 0236-	• 0276
	•6984	• 7664	•7613	•5872	•5062	. 2891	•0308	.0158	• 0660-	.0485-	• 0497-	.0328
12	.7821 .8609	•9170 •9742	.8158 .8569	.6521 .6892	•5660 •6065	.3320	•0268	.0348-	.0888-	•0686-	• 0647-	•0401
16	.9241	1.0027	68799	.7156	.6334	• 3479 • 3553	.0211- .0655-	.0874-	•1097-	.0823- .0890-	.0770-	00461
18	9799	• 9970	•9136	.7309	.6327	. 3524	.0998-	.1215-	•1195-		.0844-	.0482
20	1.0170	.9748	.9100	.7356	.6465	. 3618	.1274-	•1366- •1428-	•1292- •1291-	.0910-	0851-	• 0485
22	.9644	.8927	.8535	•7027			1314-	•1328-			• 0870-	
23	.9338	8705	.8197	.7178	.6562 .6593	• 3671 • 3738	.1337-	.1310-	•1213- •1158-	.0880- .0890-	· 0895-	· 0509
			cn	ı,s					$c_{\mathrm{h}}$	.s		
-4	1.0964	·2685-	• 2527-	• 2520-	.1758-	.1400-	·5532-	•1037	•0965	•0998	• 1954	.0578
-2	1.1322	.2580-	.2463-	.2450-	.1690-	· 1523-	●5697-	.0995	.0930	.0990	.2031	.0608
0	1.1711	.2463-	.2340-	.2250-	· 1577-	.1572-	●5885-	.0938	.0886	.0789	.1413	.0628
2	1.2062	.2268-	.2037-	.1982-	.1467-	· 1562-	e6051-	.0863	.0760	.0700	.1202	.0621
4	1.2458	.2089-	·1752-	.1765-	.1396-	.1331-	•6236-	.0806	.0684	.0688	.0942	.0532
6	1.2718	.1888-	.1370-	.1193-	.0868-	.0593-	· 6355-	.0736	.0561	.0498	.0785	.0230
8	1.2992	•2226-	.0055-	.0295	.0241-	.0368	o 6488-	.0861	.0115	.0095-	.0495	.0151
10	1.3551	•2428-	•1340	•0950	.1057	00574	•6740-	.1006	.0484-	.0268-	.0007-	.0236
12	1.3614	.0612-	•1858	.1785	.1589	.0798	·6762-	.0371	.0790-	.0825-	.0297-	.0352
14	1.4312	•1053	.2020	.2325	.1845	.0846	• 7049-	.0378-	.0974-	.1300-	.0344-	.0404
16	1.6577	•1753	•1792	.2281	.1889	.0879	.8162-	.0792-	.0925-	.1545-	.0467-	.0436
18	1.8152	.1399	.1829	.2200	.1699	•0837	€8984-	.0677-	.0977-	.1498-	• 0459-	.0430
20	1.8789	.1056	• 1802	.2035	. 1465	•0783	• 9337-	.0534-	.0987-	.1300-	.0469-	.0402
22	1.8280	.0841	.1685	.1650	.1288	.0692	ø9113 <b>-</b>	.0467-	.0954-	.1185-	.0570-	.0356
23	1.7903	•0777	• 15 33	.1495	.1162	··0623	·8942=	.0436-	•0875-	.1000-	• 0532-	.0319
			c	ı,d			-		ch	,d		
-4	1.3442-	.0893	.1469	•1310	.1688	.1062	∘6870-	.0428	.0679	.0610	.0784	.0623
-2	1.3124-	.1437	.1990	.1700	.1806	.1678	•6694-	.0725	.0954	.0765	.0884	.0917
0	1.2873-	.1870	.2384	.2000	.2012	.1863	•6548-	.0957	.1161	.0920	.1005	.0992
2.	1.2513-	.2332	.2684	.2310	.2230	.1824	•6340-	.1203	.1330	.1090	.1119	.1001
4	1.2141-	.2953	• 3113	.2638	•2700	•1881	•6124-	.1527	.1563	.1265	• 1363	.1038
6	1.1818-	.3349	.3341	. 2955	.2659	.1689	●5936-	, • 1727	.1685	.1460	.1330	.0945
8	1.1360-	.3919	• 3535	.3285	.2857	.1609	•5662-	.2025	•1790	.1670	.1416	.0902
10	1.1073-	.4632	•4234	.3630	.2939	.1676	•5506-	.2384	.2150	.1890	.1477	.0939
12	1.0875-	.5313	•4814	.4030	• 3237	o1922	·5388-	.2745	.2449	.2070	.1635	.1064
14	1.0658-	•6058	•5572	• 4450	.3582	.2100	●5267-	.3139	. 2834	.2245	.1813	.1155
16	1.0633-	•6707	.6197	.4800	.3882	•2211	·5234-	.3471	.3155	.2395	. 1984	.1210
18	1.0498-	•7489	•6675	.5030	.4016	·2292	·5139-	.3863	.3406	.2520	.2055	.1252
20	1.0375-	•7720	.6742	•5190	.4312	•2428	·5042-	.3991	.3450	.2600	.2218	.1322
22	1.0317-	•7204	.6319	•5210	.4507	.2541	· 4989-	.3752	.3237	•2620	.2329	.1386
23	1.0208-	•7103	.6097	.5180	.4671	· 2669	·4908-	.3706	•3136	.2590	.2420	01449

TABLE 23.- INTEGRATED SECTION COEFFICIENTS  $\begin{bmatrix} \delta_{\rm S} = -0.040\,{\rm c}; \delta_{\rm d} = -0.00000\,{\rm c} \end{bmatrix}$ 

α,		Section	on coefficie	ints at $\frac{y}{b/2}$	= -			Section	n coefficie	nts at y	= -	
deg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97
			C <sub>1</sub>	n.w					cr	n,w		
-4	•2325-	•2429-	•2319-	•2798=	.1309-	.1545-	•0317	2021				
-2	•1150-	.1166-	.1207-	.1551-	.0798-	.0881-	•0240	•0096- •0102-	·0353-	•0293- •0252-	•0250- •0226-	•0031
0	•0050	•0036	•0095	.0325-	.0107	.0284-	.0210	.0114-	•0309-	•0195-	.0183-	·0132
2	•1220	.1331	.1350	.0936	.0803	.0305	•0210	.0109-	.0264-	•0097-	.0094-	.010
4	•2692	•2709	.2640	.2450	.2641	.0904	•0203	.0075-	.0226-	.0155-	.0134-	.005
6	•3963	• 4321	•4048	.4054	.3760	.2013	.0198	.0009-	.0261-	.0234-	.0261-	.010
8	•5186	•5904	.6443	.5228	.4397	.2425	•0121	.0088	.0387-	.0449-	.0346-	.008
10	•6905	.7601	•7498	.5937	•5179	• 2922	•0209	•0072	.0654-	.0622-	. 0528-	.033
12	•7966	•9113	.8135	.6651	•5877	• 3694	•0155	.0381-	.0883-	.0826-	.0681-	.045
14	•8682	• 9661	.8470	.7382	.6614	• 3970	.0259-	.0888-	.1080-	.0982-	.0848-	.051
18	•9301	• 9901	.8736	.7751	•6830	. 4100	.0668-	•1214-	.1194-	.1056-	.0903-	.053
20	•9744	•9670 •9070	.8849	.7864	•6929	. 4157	•1126-	.1348-	.1231-	.1087-	.0914-	.057
22	•9141	.8628	.8520	• 7750	.7014	. 4241	•1321-	•1317-	.1188-	.1087-	.0928-	.060
23	.8960	.8475	.8220	.7570	.6994	•4213	•1316-	•1261-	•1150-	•1075-	.0917-	.059
23	*0900	*04/2	.8227	.7563	•7080	• 4328	•1292-	•1228-	•1152-	•1052-	.0938-	•060
			cn	,s					ch	,s		
-4	1.1470	•5587-	.5445-	.3496-	.2797-	• 2255-	.5865-	•2107	.2158	•1398	.0975	.090
-2	•0000	.5431-	.5372-	.3454-	.2735-	.2198-	.0000	•2058	.2122	.1364	.0931	.087
0	•0000	•5206-	•5047-	.3352-	.2713-	.2109-	.0000	•1946	.1987	.1305	.0926	.081
2	1.2396	.4849-	•4638-	.2941-	•2647-	•2137-	·6297-	.1808	.1834	.1143	.0914	•081
4	1.2784	• 4522-	.3890-	• 2599-	.2228-	.2152-	•6471-	•1732	.1614	.1061	.0813	.085
6 8	1.3100	• 4226-	.2713-	.1650-	.1344-	.1764-	•6618-	.1642	.1143	.0716	.0553	.071
-	1.3254	•4893-	.0542-	.0384	.0508-	• 2707-	•6675-	.1294	.0380	.0110-	.0247	.025
10	1.3770	•5131-	• 0952	.0760	•0971	.0441	•6919-	.1524	.0274-	.0332-	.0449-	.0155
14	1.4479	• 2430 -	•1700	.1714	•1737	.0959	•6844-	.0464	.0715-	.0882-	.0837-	.039
16	1.6703	.0365 .1099	•1757 •1962	• 2746	.2341	.1132	•7149-	.0975-	.0868-	.1440-	.1183-	.050
18	1.8407	.0620	• 2270	. 2985	• 2477	•1275	.8224-	•1500-	.1028-	.1560-	.1268-	.061
20	1.8145	.0296	.2487	.3050 .2750	• 2350	•1407	•9121-	.1344-	.1195-	.1564-	.1199-	.0730
22	1.7734	.0280	• 2313	.2313	.2055	•1377	•9056-	•1173-	.1297-	.1450-	.1027-	.0715
23	1.7287	.0249	•2106	.1989	•1627	.1201	•8860-	.1106-	.1201-	.1150-	.0813-	.0604
	101201	****			•1448	*1037	•8651-	•1068-	•1097-	1004-	.0731-	• 05 07
			cn	ı,d					ch	,d		
-4	1.3490-	•3091	• 3587	.1069	.1071	.0677	.6880-	.1586	.1695	•0424	.0498	.0511
2	•0000	• 3472	• 3782	•1428	.1141	.1159	• 0000	.1802	.1790	.0640	.0561	•0721
0 2	*0000 1*2543-	• 3726	• 3970	.1670	.1400	.1390	•0000	.1938	•1920	.0309	.0697	.0797
4	1.2142-	• 3889 • 4533	• 3963	• 1758	.1520	.1470	•6349-	.2044	• 1927	.0855	.0762	.0838
6	1.1830-	• 4976	•4157 •4028	•2418 •2894	•2159	•1705	•6115-	.2366	•1972	.1164	•1077	.0916
8	1.1310-	•5048	• 4028	.3084	•2787	•2076	•5936-	, • 2608	.1965	•1422	.1388	•1099
0	1.1107-	.5789	• 4108	.3659	.2860 .2810	•1607	• 5652-	• 2650	•1710	•1529	• 1395	.0850
2	1.0855-	.6203	• 4704	.4084	.3013	•1581 •1810	•5523-	• 2963	• 2064	•1822	.1389	.0834
4	1.0670-	.6007	.5699	• 4197	.3483	.1984	•5379- •5269-	• 3209	• 2387	•2034	. 1486	•0961
6	1.0647-	.6599	•6087	.4508				•3172	• 2879	•2103	. 1723	•1058
8	1.0544-	•7340	.6133	.4619	•3689 •3903	•2139	•5246-	• 3482	•3088	•2265	. 1833	01149
0	1.0456-	•7069	•5761	.4800	• 4151	•2328 •2514	•5164-	. 3835	• 3114	•2319	. 1955	01254
2	1.0384-	.6688	.5581	.4950	• 4367	• 2598	•5092- •5023-	• 3729	• 2934	•2400	• 2089	01354
3	1.0235-	.6607	•5692	.4966	.4539	.2759	04931-	• 3554	• 2860	•2490	. 2206	•1402
						04127	04751-	02114	.2922	•2527	.2302	01488

TABLE 24.- INTEGRATED SECTION COEFFICIENTS  $\left[ \delta_{\rm S} = -0.060 \, {\rm c}; \delta_{\rm d} = -0.00000 \, {\rm c} \right]$ 

α,		Sectio	n coefficie	nts at $\frac{y}{b/2}$	= -			Section	n coefficien	ts at $\frac{y}{b/2}$	= -	
deg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97
			cr	ı,w					cm	,w		
-4 -2 0 2 4 6 8	•2134- •0957- •0119 •1264 •2613 •4032	• 2270- • 1113- • 0096- • 0950 • 2378 • 4021 • 5743	.2653- .1685- .0605- .0403 .1912 .3645	.2700- .1732- .0618- .0644 .1778 .4026	• 3413- • 2755- • 1746- • 0522- • 0795 • 2744 • 3493	.2232- .1521- .0870- .0288- .0345 .1380	*0171 *0113 *0081 *0055 *0063 *0060	.0314- .0340- .0257- .0213- .0206- .0205- .0022-	.0478- .0407- .0290- .0182- .0176- .0260- .0493-	.0017- .0005 .0072 .0126 .0100 .0200- .0419-	.0020- .0003- .0067 .0142 .0161 .0190- .0324-	.0204 .9063 .0024 .0053 .0042 .0072
10 12 14 16 18 20 22 23	.7000 .8062 .8769 .9430 .9706 .9582 .9228	.7523 .9012 .9726 .9776 .9422 .9089 .8732 .8826	.7591 .8100 .8409 .8751 .8866 .8748 .8500	.6669 .7317 .8101 .8746 .8785 .8863 .8661	.4224 .4994 .6324 .6619 .6719 .6752 .6738	2879 3554 4353 4521 4574 4571 4581	*0062 *0119 *0264- *0786- *1246- *1368- *1324- *1326-	.0072- .0411- .0910- .1134- .1341- .1317- .1266- .1280-	0725- 0918- 1071- 1182- 1233- 1224- 1187- 1169-	.0607- .0740- .0902- .1007- .1036- .1058- .1032-	.0440- .0576- .0805- .0858- .0909- .0928-	0335 0437 0559 0583 0616 0642
	67230	*0020	c <sub>n</sub>		*0110	84143	*1320-	*1200-	c <sub>h</sub>	•1042-	• 0926-	•0672
-4 -2 0 2 4 6 8	1.1567 1.1920 1.2105 1.2230 1.2597 1.2962 1.3068	.8207- .8007- .7442- .6861- .6486- .6056-	.7093- .6781- .6126- .5563- .4417- .3661-	.3725- .3831- .3909- .3874- .3268- .2268-	.3891- .3877- .3773- .3751- .3187- .1748-	.3016- .3071- .3166- .3217- .3064- .3173- .0721-	6000- 6176- 6257- 6297- 6465- 6630-	.3292 .3190 .2953 .2723 .2616 .2485	.2861 .2709 .2421 .2188 .1781	•1525 •1537 •1541 •1527 •1317 •0974	•1416 •1389 •1341 •1339 •1180 •0728	1249 1230 1230 1241 1204
10 12 14 16 18 20	1.3478 1.3790 1.4649 1.7020 1.8368 1.8117	.5983- .2960- .0814 .1529 .1106	.0447 .1466 .1863 .2322 .2817	.0614 .1434 .2684 .3268 .3452	.0502 .1523 .2700 .2975 .2982 .2662	.0333 .0770 .1295 .1508 .1669	834- 6929- 7239- 8398- 9116- 9932-	.2538 .1544 .0258- .0688- .0559-	.0880 .0031- .0622- .0948- .1223- .1450- .1392-	.0058 .0247- .0709- .1386- .1688- .1744- .1650-	.0294 .0226- .0745- .1376- .1532- .1509- .1322-	0328 0094 0280 0562 0731 0881
22	1.7586	.0756 .0779	.2503 .2232	.2829 .2627	•2183 •1881	• 1627 • 1644	8803- 8770-	.0371- .0383-	• 1249- • 1106-	•1405- •1298-	.1071- .0913-	.08 <b>81</b>
			c	ı,d					ch,	,d		
0 2 4	1.3458- 1.3260- 1.2982- 1.2621- 1.2245-	• 4577 • 4776 • 4512 • 4269 • 4948	.3966 .3961 .3564 .3274	.0135- .0233 .0626 .1089	.0740 .0840 .0935 .1154	.0083 .0956 .1332 .1540	6865- 6746- 6591- 6389- 6174-	.2339 .2470 .2311 .2242 .2594	•1876 •1878 •1700 •1587 •1629	.0271- .0019- .0213 .0492	0333 0408 0461 0569	.0217 .0665 .0829 .0913
6 8 10 12	1:1848- 1:1499- 1:1121- 1:0880- 1:0708-	.5635 .4834 .5359 .6327	.3684 .3924 .4547 .4944 .5784	• 2297 • 3304 • 3512 • 3829 • 3979	.2400 .2692 .2657 .2748	• 2249 • 1831 • 1651 • 1765 • 2109	65950= 65741= 65529= 65388= 65286=	.2945 .2543 .2787 .3250	<ul><li>1783</li><li>1949</li><li>2294</li><li>2512</li><li>2919</li></ul>	•1110 •1633 •1760 •1913 •1984	.1173 .1319 .1317 .1353 .1592	01187 0960 0869 0928
16 18 20 22 23	1.0517- 1.0517- 1.0454- 1.0327- 1.0256-	.6509 .7285 .7092 .6794	.6099 .6014 .5893 .5786	.4296 .4308 .4438 .4540	• 3464 • 3692 • 3937 • 4208 • 4382	• 2221 • 2417 • 2582 • 2744 • 2905	65240- 65153- 65085- 64995- 64937-	.3429 .3808 .3741 .3600	• 3082 • 3041 • 2996 • 2953 • 2960	•2147 •2156 •2229 •2285 •2387	• 1704 • 1820 • 1962 • 2115 • 2207	1187 1288 1387 1473

TABLE 25 .- INTEGRATED SECTION COEFFICIENTS  $\left[\delta_{\rm S} = -0.080\,{\rm c}; \delta_{\rm d} = -0.00000\,{\rm c}\right]$ 

α,	Ha By Tark	Section	n coefficie	nts at $\frac{y}{b/2}$	= -	-		Section	n coefficier	nts at $\frac{y}{b/2}$	= -	
deg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97
			C <sub>1</sub>	ı,w					cn	ı,w		
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22	*2122- *1051- *0017 *1022 *2431 *3951 *6857 *7985 *8693 *9417 *9557 *9468 *9424	.2691- .1680- .0826- .0209 .1686 .3428 .5082 .7041 .9005 .9788 .9641 .9239 .9006 .8999	*3509- *2483- *1504- *0436- *0975 *2690 *5679 *7352 *7917 *8412 *8795 *8674 *8651 *8468	.4762- .3560- .2573- .1410- .0051 .1924 .4701 .5525 .6107 .7359 .7622 .7733 .7715	.4193- .3387- .2503- .1408- .0284- .1654 .3233 .4178 .5071 .6505 .6095 .7020 .6950	.3509- .2483- .1597- .1527- .0072- .1058 .2091 .2690 .4105 .5919 .5349 .5330 .5318	.0033 .0004 .0003 .0015 .0007 .0023 .0081 .0002 .0029 .0259 .0800 .1205 .1290 .1321	0378- 0308- 0164- 0085- 0122- 0216- 0075- 0051- 0510- 1290- 1286- 1299-	.0280- .0234- .0125- .0012- .0012- .0500- .0730- .0910- .1186- .1192- .1178- .1162-	**0037***0121***0186***0245***0052-***0052-***0757-***0929-**0826-**0934-**0975-**0987-***	0058 0068 0135 0206 0243 0094- 0518- 0628- 0829- 0893- 0917- 0935-	0240 0155 0109 0075 0051 0068- 0135- 0508- 0922- 0693- 0710-
23	• 9404	•9014	•8579	•7665	•7092	•5422	e 1327=	•1306-	•1183-	•0810-	• 0956-	•0780-
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22 23	1.1836 1.1947 1.1988 1.2071 1.22471 1.3006 1.25599 1.2975 1.3718 1.4606 1.7179 1.8203 1.7885 1.7791 1.7625	1:0056- :9619- :9117- :8559- :8060- :7585- :7588- :7194- :3598- :0370 :1479 :1083 :0744 :0640	8078- • 7727- • 7280- • 6689- • 5660- • 4577- • 2163- • 0053- • 1381 • 1998 • 2737 • 2968 • 2788 • 2437 • 2302	.5691- .5708- .5857- .5848- .5016- .3111- .0647- .0508 .1746 .3664 .3743 .3342 .2853	.5421 = .5335 = .5370 = .5293 = .1127 = .0483	.4100- .4250- .4371- .4459- .4529- .4497- .3185- .0723- .0677 .1648 .1883 .1946 .2129 .2142	.6269- .6306- .6303- .6320- .6501- .6749- .6635- .6944- .7233- .28466- .9036- .8908- .8864- .8775-	.4137 .3933 .3710 .3523 .3345 .3208 .3112 .3143 .1926 .0035 .0725 .0544 .0304 .0304	ch .3250 .3087 .2892 .2700 .2288 .1882 .1109 .0182 .0627- .1032- .1433- .1506- .1377- .1187- .1187-	.2315 .2307 .2307 .2361 .2401 .2114 .1371 .0391 .0182- .0876- .1754- .1754- .1597- .1363- .1250-	2073 2022 2018 2008 1919 0486 0207- 0827- 1619- 1840- 1740- 1505- 1285- 1158-	*1790 *1780 *1762 *1774 *1854 *1902 *1362 *0356 *0204- *0678 *0873- *1054- *1226- *1230- *1216-
			cr	ı,d		-			ch	,d		
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22 23	1.3636- 1.3377- 1.3062- 1.2793- 1.2432- 1.1983- 1.1527- 1.0179- 1.0876- 1.0693- 1.0535- 1.0535- 1.0324- 1.0128-	. 4571 . 4409 . 4189 . 4029 . 4586 . 5166 . 5166 . 6816 . 6866 . 7081 . 7451 . 7408 . 7389 . 7439	.3185 .3134 .2957 .2775 .2988 .3545 .3620 .4398 .4855 .5737 .5906 .5731 .5731 .5738	.0044- 0251 0548 0995 1333 1712 3325 3533 3538 3876 4156 4423 4423 4591	.0842 .0949 .1067 .1244 .1375 .1998 .2790 .2672 .2701 .3266 .3503 .3884 .4051 .4478	.0950 .1100 .1257 .1618 .1891 .2328 .2455 .2130 .2106 .2200 .2467 .2705 .2870 .3035 .3219	6961- 6807- 6631- 66474- 6273- 6025- 5765- 5564- 65391- 5279- 5236- 5161- 5052- 4998- 4888-	. 2258 . 2212 . 2125 . 2068 . 2377 . 2918 . 3424 . 3572 . 4338 . 4429 . 4532 . 4679 . 4675	1449 1471 1408 1336 1452 1726 1769 2217 2454 2884 2975 2886 2904 2906	.0152- .0028 .0206 .0457 .0657 .0842 .1669 .1788 .1822 .1963 .2117 .2158 .2267 .2355	0383 0455 0523 0606 0668 0981 1383 1322 1326 1606 1735 1938 2028 2147	**0600 ***0700 ***0776 ***0933 **1067 **1259 ***1301 ***124 ***1096 ***150 **150 **150 **150

TABLE 26.- INTEGRATED SECTION COEFFICIENTS  $\left[ \delta_{\rm S} = \text{$\tt D$ • $100 c; $\delta_{\rm d}$} = \text{$\tt D$ • $00000 c]} \right]$ 

α,		Section	n coefficie	nts at $\frac{y}{b/2}$	= -			Section	n coefficien	its at $\frac{y}{b/2}$	= -	
deg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97
			cr	ı,w					cm	w,w		
-4 -2 0 2 4 6 8 10 12 14	.2244- .1211- .0198- .0825 .2066 .3562 .4920 .6802 .8045 .8756	.3336- .2523- .1522- .0337- .0951 .2683 .4554 .6587 .8814 .9606	.4302- .3443- .2390- .1229- .0116 .1898 .4879 .6925 .7662 .8254	.5569- .4390- .3738- .2163- .0956- .0908 .3917 .5206 .5875 .7284 .7762	.4897- .4166- .3156- .1997- .0861- .0671 .2646 .3532 .5020 .6421 .6812	.4700- .3536- .2289- .1757- .0746- .0300 .1409 .2642 .3698 .5065 .5156	.0071- .0072- .0071- .0065- .0054- .0056- .0095- .0004 .0010 .0215- .0790-	.0302- .0153- .0081- .0031- .0010- .0122- .0019 .0055- .0544- .0935- .1178-	.0210- .0122- .0013- .0076- .0069- .0130- .0499- .0730- .0887- .1038- .1145-	0134 0169 0194 0256 0253 0032 0520- 0689- 0751- 0906-	0099 0094 0147 0208 0254 0039 0399- 0505- 0611- 0799- 0851-	.0410 .0315 .0224 .0167 .0109 .0014- .0029- .0336- .0444- .0637- .0649-
18 20 22 23	.9487 .9614 .9519 .9748	.9073 .9049 .9101 .9331	.8663 .8639 .8590 .8778	.7806 .7817 .7913 .7957	.6983 .6971 .7091 .7153	. 4628 . 4474 . 4366 . 445,4	•1182- •1294- •1317- •1362-	.1285- .1289- .1308- .1354-	•1160- •1158- •1154- •1192-	.0980- .1009- .1027- .1050-	.0893- .0914- .0951- .0974-	.0709- .0702- .0695- .0733
			cı	1,S					ch	,s		
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22 23	1.1978 1.1983 1.2025 .0000 1.2417 1.2893 1.2472 1.2730 1.3668 1.4535 1.7077 1.8058 1.8063 1.7785 1.8064	1.1451- 1.1072- 1.0783- 1.0282- .9639- .8846- .8266- .4042- .0048 .1463 .0973 .0606	.9203- .8984- .8657- .8002- .7010- .5677- .2583- .0563- .1112 .2117 .2948 .3047 .2710 .2478	.7314- .7260- .7268- .7228- .6612- .4434- .1654- .0027 .1404 .3393 .4016 .4043 .3594 .3080 .2812	.6401- .6400- .6477- .6566- .5993- .4397- .1808- .0321- .1533 .3103 .3577 .3636 .3307 .2882 .2685	.5200- .5440- .5729- .5869- .5964- .6088- .6262- .0889- .0202- .1867- .1898- .2017- .2278	6432- 6418- 6411- 0000 6550- 6762- 6496- 7220- 8404- 8957- 8958- 8851- 8954-	.4845 .4675 .4625 .4493 .4184 .3895 .3934 .3788 .2180 .0108 .0732- .0469 .0313- .0279- .0283-	*3840 *3723 *3591 *3418 *2964 *2418 *1298 *0409 *0517 *1099 *1542 *15542 *1218 *1115	•3164 •3087 •3071 •3092 •2882 •1979 •0868 •0081 •0657 •1754 •2066 •2030 •1768 •1502 •1367	.2581 .2563 .2579 .2646 .2543 .1894 .0800 .0158 .0756- .1652- .1940- .1932- .1696- .1440-	.2410 .2398 .2441 .2508 .2659 .27701 .2713 .0448 .0029 .0674- .0850- .0966- .1206- .1206-
			С	n,d			-		ch	ı,d		
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22	1.3886- 1.3580- 1.3258- 00000 1.2708- 1.1717- 1.1287- 1.0743- 1.0617- 1.0577- 1.0577- 1.0466- 1.0262-	.4060 .3852 .3924 .4002 .4316 .5102 .4404 .4721 .6404 .6719 .6829 .7301	2742 2655 2640 2703 2863 3378 4329 4834 5606 5726 55785	.0297 .0564 .0749 .1220 .1484 .1801 .3226 .3653 .3570 .3898 .3992 .4141 .4397 .4752	.0637 .0836 .1082 .1377 .1532 .1852 .2709 .2718 .2722 .3184 .3399 .3744 .4036 .4339	.0630 .0840 .1146 .1533 .2010 .2352 .2734 .2144 .2128 .2348 .2348 .2453 .2610 .2674	.7087691367380000 .6422614558705616542953055231518450984972-	.2013 .1944 .2006 .2073 .2251 .2263 .2273 .2404 .3235 .3447 .3502 .3669 .3731 .3763 .3893	.1269 .1258 .1273 .1317 .1411 .1674 .1770 .2192 .2439 .2823 .2895 .2881 .2933 .2981 .3118	.0050 .0226 .0337 .0601 .0751 .0907 .1637 .1859 .1815 .1987 .2035 .2122 .2252 .2440	.0260 .0377 .0512 .0667 .0754 .0912 .1331 .1349 .1339 .1563 .1670 .1854 .2007 .2172	.0550 .0650 .0797 .0974 .1200 .1326 .1127 .1123 .1216 .1223 .1253 .1334 .1371

TABLE 27.- INTEGRATED SECTION COEFFICIENTS

 $\delta_{s} = -0.120 \, c; \delta_{d} = -0.00000 \, c$ 

α,		Section	on coefficie	nts at $\frac{y}{b/2}$	= -	15.19		Section	n coefficier	its at $\frac{y}{b/2}$	= -	
deg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97
			cı	ı,w					cn	ı,w		
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22 23	.2275- .1339- .0362- .0663 .1750 .3124 .4949 .6639 .7903 .8679 .9426 .9510 .9586	.3770- .2867- .1861- .0750- .0357 .1955 .4570 .6732 .8716 .9741 .9625 .9091 .9106	. 4858- .3974- .2903- .1748- .0598- .0991 .3854 .6215 .7326 .8192 .8680 .8702 .8663 .8918	.6294- .4941- .3924- .2702- .1468- .0207 .2819 .4655 .5772 .7281 .7767 .7849 .7897	.5323- .4585- .3616- .2656- .1348- .0169- .2104 .3502 .4952 .6470 .7009 .6974 .7163	.3761- .3045- .2212- .1682- .1022- .0343- .0623 .2149 .3175 .4530 .4723 .4619 .4536	00154- 00139- 00140- 00135- 00082- 00081- 0005- 0015- 0029- 00219- 0750- 01172- 1249- 1303-	.0284- .0198- .0111- .0073- .0001 .0069- .0192- .0306- .0624- .0948- .1176- .1266- .1303- .1345-	*0235- *0144- *0048- *0020- *0031 *0109- *0455- *0713- *0862- *1025- *1122- *1116- *1146-	**0127 **0130 **0149 **0185 **0190 **0041 **0374 **0647 **00870 **0912 **0930 **0953 **0974	. 0067 . 0049 . 0084 . 0146 . 0185 . 0075 . 0339 . 0490 . 0583 . 0759 . 0824 . 07793 . 0856 . 0856	0299 0237 0173 0136 0080 0014- 0210- 0353- 0548- 0575- 0599-
23	.,0,2	0 7371		•8002	•7428	. 4539	•1337-	•1391-	•1197-	*1012-	• 0950-	.0606-
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22 23	1.2316 1.2316 1.2316 1.22437 1.2591 1.2424 1.2780 1.3010 1.3664 1.4387 1.6973 1.7916 1.7855 1.7764 1.7745	1.2906- 1.2672- 1.2264- 1.1351- 1.0301- 8942- 7851- 4280- 0122- 1646- 1062- 0689- 0589- 0611	Cn 1.0572- 1.01572- 9845- 9806- 8518- .7038- .3956- .1291- .0801 .2297- .3102 .2978 .2649- .2407 .2273	.8470- .8392- .8441- .8564- .7778- .5918- .3122- .0403- .1336 .3428 .4098 .4075 .3691 .3246	.7357- .7396- .7571- .7687- .7002- .5980- .2770- .0924- .0887 .3066 .4039 .3782 .3406 .2994 .2862	. 4693- . 4749- . 4762- . 5199- . 5204- . 5057- . 5820- . 2728- . 0504- . 1493 . 2001 . 1903 . 1903 . 2074 . 2327	.6686- .6672- .6717- .6775- .6652- .6773- .6736- .6749- .6987- .7156- .8343- .8892- .8881- .8836- .8815-	.5768 .5661 .5582 .5581 .5188 .4780 .4275 .3919 .2338 .0171 .0827- .0527- .0339- .0282- .0298-	ch .4665 .4467 .4332 .3986 .3857 .3177 .1918 .0708 .0386- .1211- .1620- .1502- .1182- .1112-	3793 37730 37762 3837 3607 2743 1512 0236 0600- 1763- 2095- 2054- 1837- 1482-	*31.67 *31.82 *32.40 *33.38 *31.81 *2706 *12.72 *0.476 *0.388 *16.34 *19.95 *17.46 *15.08 *14.35	• 22 21 • 22 27 • 22 85 • 23 91 • 24 78 • 24 15 • 266 2 • 13 46 • 03 75 6 • 08 73 - • 08 73 - • 115 0 • 125 2 • 13 74 -
			cr	ı,d					ch	,d		
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22 23	1.3936- 1.3756- 1.3504- 1.3134- 1.2812- 1.2392- 1.1860- 1.0877- 1.0662- 1.0575- 1.0412- 1.0302- 1.0098-	. 3710 . 3678 . 3744 . 3938 . 3997 . 4519 . 4622 . 5136 . 6463 . 6795 . 6858 . 7174 . 7321 . 7489	. 2657 . 2587 . 2587 . 2856 . 2986 . 3275 . 3697 . 4352 . 4946 . 5598 . 57796 . 57796 . 5790 . 6306	.0462 .0703 .1018 .1420 .1660 .1991 .2890 .3421 .3537 .3925 .4028 .4228 .4514 .4739 .5004	.0577 .0792 .1119 .1425 .1637 .1821 .2472 .2681 .2775 .3250 .3453 .3453 .4453 .4465 .4697	.1023- .0312- .0566 .0921 .1262 .1610 .2023 .2028 .1945 .2125 .2162 .2323 .2570 .2716 .2822	*7117- *7008- *6860- *6665- *6476- *5936- *5936- *5287- *5251- *5184- *5073- *4986- *4867-	• 1858 • 1872 • 1924 • 2042 • 2092 • 2259 • 2370 • 2614 • 3279 • 3512 • 3531 • 3674 • 3751 • 3856 • 4025	• 1230 • 1233 • 1282 • 1403 • 1489 • 1633 • 1847 • 2187 • 2494 • 2830 • 2932 • 2897 • 3003 • 3054 • 3221	00164 00310 00485 00703 00844 1021 1470 1738 1804 2007 2089 2160 2314 2438	. 0229 . 0351 . 0536 . 0496 . 0810 . 0887 . 1223 . 1331 . 1377 . 1596 . 1702 . 1911 . 2098 . 2243 . 2364	**0516 ***0085 ***0459 ***0651 ***0814 ***0959 ***1330 ***1098 ***1037 ***1102 ***1112 ***1124 ***1323 ***1398 ***1456

TABLE 28.- INTEGRATED SECTION COEFFICIENTS  $\left[ \delta_{S} = -0.005 \, c; \, \delta_{d} = -0.00375 \, c \right]$ 

-4 -2 0 2 4 6 8 10 112 114 116 118 20 22 23		Sectio	n coefficier	nts at $\frac{y}{b/2}$	= -			Section	n coefficier	its at y	= -	
deg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97
			cn	,w			·		cm	ı,w		
-2 0 2 4 6 8 10 12 14 16 18	.2569- .1358- .0221- .0982 .2450 .3876 .4900 .6816 .7750 .8661 .9536	.2852- .1649- .0360- .1028 .2502 .4051 .5851 .7624 .8939 .9670 .9848 .9728	- 2836- - 1581- - 0329- - 1213 - 2451 - 5044 - 6656 - 7598 - 8197 - 8435 - 8502 - 8931 - 8893	.2578- .1298- .0020 .1428 .2646 .3850 .5095 .6204 .6822 .7181 .7505 .7636	.2200- .0951- .0092 .1398 .2427 .3327 .4230 .5124 .6356 .6356	.1420- .1075- .0229- .0471 .1085 .2089 .2632 .2970 .3297 .3465 .3567 .3525	00469 00425 00394 00325 00333 00269 00308 00125 00239- 00864- 01145- 01242-	.0301 .0273 .0243 .0230 .0219 .0251 .0334 .0148 .0319 .0944 -1215 -1385	.0092 .0087 .0101 .0112 .0096 .0109- .0310- .0652- .0916- .1078- .1135- .1221-	** 0171 *** 0195 *** 0225 *** 0275 *** 0100 ***	0107- 0098- 0008- 0067 0073 0048- 0257- 0508- 0692- 0825- 0873- 0884-	0143 0066 0002 0018 0061 0158 0281 0340 0399 0444 0478 0482
	.9225 .8797	.8783 .8724	.8401 .8284	.7337 .7430	.6471 .6508	o 3648	1261- 1261-	•1310- •1296-	•1174- •1167-	•0663- •0678-	• 0892- • 0895-	0506 0499
			cn	,s					ch	,s		
-2 0 2	1.0776 1.1059 1.1426 1.1757 1.2150 1.2399 1.2665 1.3266 .0000 1.4550 1.7534 .0000 .0000 .0000	.0669 .1108 .1337 .1668 .1868 .2049 .2083 .2273 .4118 .6511 .6490 .6201 .5889 .5879	.0339 .0669 .0569 .1065 .1396 .2912 .3917 .4576 .4913 .4658 .4799 .4803 .4615	.1084 .1578 .1641 .1687 .2278 .3090 .3756 .4550 .5240 .5725 .5990 .6007 .5969 .5732	.0585 .0858 .0858 .0832 .1010 .1103 .1332 .1920 .2914 .3424 .3424 .3686 .3756 .3629 .3471 .3369 .3359	.0863 .0963 .0642 .0840 .1362 .2262 .2856 .3134 .3352 .3643 .3643 .3643 .3643 .3743	0.5391- 0.5513- 0.5692- 0.5851- 0.035- 0.6152- 0.6276- 0.000 0.7156- 0.8666- 0.0000 0.0000 0.0000	.0465- .0715- .0850- .1013- .1103- .1180- .1287- .2078- .3123- .3394- .3491- .3362- .3206- .3197-	0249- 0417- 0370- 0581- 0729- 1006- 1318- 1843- 0249- 02543- 02543- 02543- 02543- 02543- 02543- 02543- 02543- 02543-	**0548- **0789- **0830- **0840- **1172- **1420- **1887- **2324- **2737- **208- **3224- **3137- **3037- **2992-	0436- 0558- 0537- 0614- 0650- 0721- 1009- 1542- 1851- 2018- 2018- 1980- 1888- 1879-	00475 00531 00380 00455 00687 01099 01419 01584 01722 01926 01921 01965 01978
			c <sub>1</sub>	n,d		İ			ch	,d		
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22 23	1.3578- 1.3177- 1.2889- 1.2558- 1.2204- 1.1803- 1.1345- 1.1064- 0.0000 1.0794- 1.0703- 0.0000 0.0000 1.0220-	.4086- .3781- .2135- .2665- .2059- .0862- .0310- .0020 .0872 .1641 .2268 .2272 .2103	. 2262- . 2001- . 1328- . 1183- . 0911- . 0032- . 0534 . 1260 . 1931 . 2383 . 2857 . 3446 . 3263 . 3292 . 3446 . 3263	.2554- .2580- .1958- .1554- .1615- .1052- .0621- .0144. .0467. .0761. .1044. .1285. .1353. .1243.	01238- 01201- 0849- 0722- 0517- 0217- 0353- 0817- 1222- 1607- 1862- 2022- 2211- 2204- 2264	0 1816- 1403- 0903- 0900- 1036- 1248- 1299- 1208- 1040- 0900- 0826- 0789- 0846- 0897-	6931- 6719- 6549- 6364- 6159- 5587- 5513- 0000 65349- 5270- 0000 0000 0000	02446- 02188- 01745- 01446- 01065- 0702- 0291- 0049 0259 0762- 0122- 01612- 01644- 01565- 01573	01328- 0168- 0781- 0709- 0559- 0079- 0224- 0606- 0962- 01213- 01472- 01811- 01727- 01757-	*1534- *1518- *1110- *0913- *0821- *0522- *0137- *0241- *0520- *0686- *0832- *0886- *0825- *0874-	0736- 0699- 0508- 0508- 0409- 0286- 0114- 0206 0468 0683 0901 1057 1151 1254 1258	0916 0741 0442 0462 0557 0652 0631 0545 0437 0357 0323 0309 0318

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TABLE 29 .- INTEGRATED SECTION COEFFICIENTS  $\left[\delta_{\text{S}} = \text{$^{0.010}$ c;} \delta_{\text{d}} = \text{$^{-0.00750}$ c}\right]$ 

α,		Section	on coefficie	nts at $\frac{y}{b/2}$	= -			Section	n coefficie	nts at $\frac{y}{b/2}$	= -	
deg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97
			c <sub>1</sub>	ı,w					cn	n,w		
-4 -2 0 2 4 6 8 10 12 14 16 18 20	.2587- .1675- .0317- .0960 .2430 .3707 .4911 .6727 .7880 .8650 .9266	• 2912- • 1846- • 0352- • 1071 • 2429 • 3968 • 5691 • 7558 • 8854 • 9496 • 9816 • 9525 • 9207	.2912- .1721- .0375- .1071 .2454 .3535 .6190 .7589 .8154 .8415 .8551 .8795	.2631- .1384- .0061- .1442 .2656 .3798 .5091 .6047 .6687 .7227 .7656 .7786	02248- 0129- 0118 1119 02011 02922 03798 04743 05447 06173 06422 0483 06645	.1415- .0700- .0309- .0459 .1127 .1894 .2577 .2910 .3604 .3559 .3703 .3733 .3810	0479 0423 00404 0361 0364 0337 0266 0322 0209 0257- 0763- 1166- 1271-	.0272 .0235 .0207 .0193 .0183 .0208 .0306 .0133 .0301- .0891- .1247- .1379- .1373-	0057 0058 0062 0068 0060 0013 0264- 0695- 0935- 1088- 1137- 1208- 1224-	**O081-** ***O087-** ***C060-** ***O017-* ***O103-** ***O396-** ***O948-** ***O948-** ***I045-** ***I088-** ***I091-**	0119- 0113- 0060- 0010 0044 0030- 0190- 0421- 0587- 0772- 0851- 0872-	00107 0016- 0022- 0013- 0064- 0143- 0275- 0328- 0487- 0446- 0497- 0530- 0551-
22	.9191 .9247	. 9006 . 8822	.8485 .8509	.7671 .7712	.6645 .6760	• 3848 • 3943	1281- 1304-	·1340-	·1189- ·1206-	·1088- ·1103-	.0915- .0932-	0572- 0583-
			cr	1,5					ch	,s		
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22 23	1.0771 .0000 1.1307 1.1622 1.2019 1.2292 1.2693 1.3148 1.3273 1.4520 1.66941 1.8344 1.8344 1.7908	0382 0828 0997 1258 1468 1640 1554 1694 3508 5849 5581 5281 5154	.0166 .0559 .0704 .0905 .1203 .1384 .2511 .3996 .4778 .5327 .5561 .5634 .5441	.0267 .0616 .0947 .1074 .1285 .1590 .2881 .3579 .4349 .5478 .5686 .5557 .5233	0439 0772 1335 1245 1340 1682 2306 3303 4043 4838 5091 5144 5085 4807	.0607 .0780 .1036 .1259 .1842 .2412 .3096 .3361 .3594 .3594 .4229 .4507 .4704 .4757	65396- 60000 65645- 65794- 6583- 6108- 6505- 6562- 7134- 8345- 9107- 9133- 8950- 8929-	.0400- .0662- .0787- .0956- .1032- .1092- .1067- .1128- .2871- .3173- .3121- .2987- .2927- .2847-	*0272- 0481- 0531- 0531- 0605- 0699- 0761- 1185- 1919- 2391- 2841- 2982- 3017- 2907-	*0225- 00416- 00549- 00549- 00759- 00876- 1884- 1885- 2325- 2707- 2937- 3019- 2938- 2753- 2670-	0457- 0639- 0875- 0851- 0893- 1018- 1293- 1798- 2216- 2689- 2815- 2815- 2753- 2606- 2542-	00350- 00446- 00579- 00709- 00971- 1225- 1576- 1711- 1846- 02046- 02279- 02418- 02499- 02487- 02517-
			c <sub>1</sub>	n,d					ch	,d		
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22 23	1.3744- .0000 1.3030- 1.2663- 1.2277- 1.1929- 1.1570- 1.0965- 1.0862- 1.0862- 1.0651- 1.0538- 1.0431- 1.0369-	.4212- .3801- .3192- .2530- .1941- .1402- .0869- .0076- .1081 .2312 .2924 .2968 .2924 .2932	.3054- .2928- .2320- .1874- .1412- .0739- .0223 .1285 .1806 .2157 .2611 .3086 .3177 .3192	2553- 2443- 2140- 1448- 1074- 0580- 0070- 00955- 1444- 1783- 2191- 2442- 2540- 2640- 2789	.2069- .2127- .2183- .1896- .1687- .1378- .0927- .0352- .0080 .0591 .0846- .1082 .1249 .1421	.2100- .1814- .1987- .1715- .2021- .1969- .1830- .1639- .1391- .1216- .1104- .1100- .1078- .1084-	67032- 60000 6629- 6426- 6209- 5804- 5612- 5463- 5354- 5354- 5077- 5017-	.2579- .2203- .1725- .1262- .0928- .0639- .0327- .0027 .0257 .0857 .1670 .2038 .2085 .2077	.1938- .1868- .1465- .1205- .0949- .0111- .0757- .1103- .1313- .1592- .1893- .1967- .1977- .2080	1745- 1635- 1464- 0840- 0628- 00332- 0068 0638 0964 1182 1445 1608 1697 1739	01338- 1342- 1300- 1135- 0985- 0785- 0503- 0157- 0111 0435 0597 0751 0863 0968	\$1181- \$1082- \$1194- \$0864- \$1061- \$1054- \$0897- \$0779- \$0604- \$0381- \$0381- \$0331-

TABLE 30.- INTEGRATED SECTION COEFFICIENTS  $\left[\delta_{\text{S}} = -0.020\,\text{c}; \delta_{\text{d}} = -0.01500\,\text{c}\right]$ 

α,		Section	n coefficier	its at $\frac{y}{b/2}$	= -			Section	n coefficien	its at $\frac{y}{b/2}$	= -	
deg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97
			cn	,w	,				c <sub>m</sub>	,w		
-4 -2 0	•2686- •1502- •0354-	•2999- •1817- •0559-	• 3154- • 1761- • 0563-	•2892- •1490- •0322-	•2432- •1283- •0164-	•1585- •0802- •0283-	.0460 .0418 .0403	.0179 .0156 .0139	.0031 .0011-	.0125- .0142- .0133-	.0209- .0206- .0150-	•0090 •0056- •0068-
2 4	.0841 .2329	.0861 .2230	.0858 .2138	•1110 •2410	•1093 •2056	• 0264 • 1097	•0350 •0326	•0121 •0102	.0007- .0015-	.0086- .0083-	• 0064= • 0032=	•0031- •0037-
6 8 10 12	•3614 •4845 •6494 •7690	• 3777 • 5565 • 7274 • 8760	• 3526 • 5794 • 7180 • 7874	.3450 .4943 .5730 .6325	.3009 .3879 .4758 .5570	.1783 .2498 .2898 .3451	.0330 .0263 .0321	.0137 .0251 .0114 .0320-	.0071- .0272- .0614-	.0153- .0416- .0585-	.0112- .0275- .0480- .0643-	•0119- •0266- •0337- •0429-
14	.8499 .9176	•9573 •9807	.8088 .8312	.7033 .7519	•6374 •6643	• 3931 • 4041	•0193- •0663-	.0923- .1212-	•0992- •1073-	•0883- •0969-	• 0822- • 0886-	•0503- •0528-
18 20 22	.9546 .9660 .9611	• 9376 • 9437 • 9447	.8488 .8784 .8779	.7842 .7977 .8110	.6900 .6962 .7131	. 4065 . 4065 . 4037	•1128- •1233- •1277-	•1339- •1377- •1391-	•1129- •1202- •1214-	•1043- •1084- •1126-	.0960- .0985- .1024-	•0567- •0591- •0599-
23	.9771	• 9419	.8892	.8254	.7382	•4112	•1326-	•1391-	• 1240-	.1160-	•1077-	•0624-
			cn						ch			
-4 -2 0	1.0590 1.0939 1.1341	.0749- .0592-	.0375- .0044-	.0027 .0217 .0463	.0570- .0363-	.0308- .0233- .0135	•5338= •5501= •5692=	•0017 •0090- •0120-	.0079- .0239-	•0199- •0273- •0402-	• 0098- • 0164- • 0202-	•0075 •0025 •0154-
2 4	1.1655	.0470- .0193-	.0003- .0240	.0537 .0673	.0405- .0357-	.0181 .0532	•5837- •5986-	.0203- .0315-	.0283- .0362-	.0541- .0540-	•0117- •0150-	•0264- •0453-
6 8 10	1.2222 1.2634 1.3018	.0030- .0283-	.0565 .1736 .3330	.1164 .2863 .3675	.0077 .0987 .2202	•1002 •2023 •2521	•6099- •6298- •6461-	.0368- .0284-	•0469- •0904- •1676-	•0742- •1510- •1957-	.0328- .0749-	•0633- •1088- •1307-
12 14	.0000 1.4149	• 2049 • 4543	.4305 .4857	.4487 .5397	.2986 .3791	•2988 •3416	•0000 •6949- •8129-	•1186- •2425-	• 2245- • 2617- • 2779-	•2406- •2924- •3162-	• 1867- • 2350- • 2556-	•1524- •1782- •2007-
16 18 20	1.6560 1.8399 1.8406	.4962 .3936 .3861	•4977 •5229 •5354	.5845 .6408 .6375	• 4166 • 4554 • 4428	• 3669 • 4154 • 4473	•9122- •9162-	•2297- •2465- •2159-	• 2954- • 3013-	•3410- •3372-	• 2719- • 2615-	•2332- •2472-
22 23	1.8161	• 3835 • 3756	•5217 •5101	.6194 .6135	•4284 •4288	• 4588 • 4665	•9049- •9106-	• 2438- • 2380-	•2918- •2859-	•3231- •3222-	• 2540- • 2551-	•2477- •2492-
			cı	ı,d			-		ch	,d		
-4 -2 0	1.3730- 1.3434- 1.3235-	•5327- •4722- •3827-	• 4849- • 4464- • 3602-	• 4629- • 4509- • 4154-	.2591- .2935- .2693-	.2390- .1947- .2145-	•7018- •6854- •6739-	• 3226- • 2845- • 2259-	•3197- •2788- •2287-	•2887- •2340- •2374-	• 1864- • 2010- • 1829-	•1279- •1016- •1091-
2 4 6	1.2873- 1.2442- 1.2059-	•2994- •2268- •1562-	.2855- .2164- .1356-	.3192- .2432- .1782-	.2025- .1357- .0777-	•1917- •1911- •1774-	.6544- .6303- .6088-	•1719- •1258- •0807-	•1827- •1380- •0874-	•1876- •1538- •1142-	• 1422- • 0993- • 0547-	•0903- •0892- •0828-
8 10 12	1.1723- 1.1393- .0000	.0862- .0216- .0059	.0557- .0320 .0882	.0958= .0393= .0028	.0300- .0195 .0879	• 1579- • 1449- • 1200-	•5898- •5710- •0000	.0354- .0057	•0365- •0195 •0559	•0629- •0256- •0023	.0216- .0112 .0586	•0746- •0691- •0562-
14 16 18	1.1019- 1.0933- 1.0818-	.0813 .2477 .3854	•1233 •2052 •2565	.0420 .0823	.1530 .1922 .2371	.1090- .0928-	•5495- •5441- •5360-	.0719 .1788 .2687	.0795 .1325 .1675	.0283 .0550 .0818	•1049 •1311 •1553	.0485- .0397-
20 22 23	1.0818- 1.0714- 1.0475- 1.0399-	• 4152 • 4259 • 4362	• 2565 • 2941 • 3132 • 3332	•1234 •1566 •1879 •2070	.2371 .2658 .2919 .3210	.0750- .0667- .0593-	•5281- •5129- •5069-	• 2903 • 2966 • 3019	• 1675 • 1926 • 2047 • 2177	•1026 •1224 •1355	• 1553 • 1784 • 1939 • 2120	•0217- •0213- •0145- •0037-

TABLE 31.- INTEGRATED SECTION COEFFICIENTS

δ<sub>S</sub> = -0.040 c; δ<sub>d</sub> =-0.03000 c

α,		Section	on coefficie	ents at $\frac{y}{b/2}$	= -			Sectio	n coefficier	nts at $\frac{y}{b/2}$	= -	
deg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97
			c <sub>1</sub>	n,w					cn	ı,w		
-4 -2 0 2 4	.3000- .1835- .0675- .0593	.3673- .2293- .1056- .0425	•3909- •2790- •1461- •0053- •1374	• 3727- • 2586- • 1347- • 0051 • 1473	• 3276- • 2187- • 1200- • 0067 • 1299	• 2480- • 1566- • 0895- • 0233- • 0364	*0458 *0419 *0391 *0344 *0313	•0183 •0083 •0066 •0035 •0004-	•0192 •0160 •0105 •0054 •0006-	.0100- .0034- .0046- .0049-	.0116- .0063- .0016- .0025	.0174 .0040 .0002 .0006
6 8 10 12	•3370 •4526 •6323 •7503	.3313 .5074 .7150 .8373	• 2834 • 4938 • 6674 • 7419	• 2832 • 4288 • 5075 • 5568	• 2381 • 3313 • 4061 • 4836	• 1286 • 2060 • 2566 • 3630	.0312 .0256 .0330 .0263	.0021- .0130 .0075	.0079- .0287- .0629- .0847-	.0235- .0443- .0537- .0595-	.0118- .0315- .0434- .0528-	0030 0052- 0212-
14 16 18	.8208 .8969 .9902	.9446 1.0091 1.0373	• 7572 • 7815 • 8474	•6392 •7062 •7921	•5849 •6439 •7115	• 4489 • 4872 • 5321	0086- 00448-	.0935- .1267-	•0872- •0924- •1059-	•0727- •0822- •0957-	.0686- .0781-	0606* 0645*
20 22 23	1.0393 1.0452 1.0605	1.04.04 1.0430 1.0807	•9049 •9274 •9703	.8389 .8557 .8779	•7612 •7773 •7916	•5380 •5349 •5033	• 1215- • 1223- • 1245-	•1545- •1554- •1652-	•1171- •1233- •1342-	•1052- •1103- •1145-	• 0986- • 1029- • 1056-	.0694- .0705-
			cı	1,5					ch	,s		
-4 -2	1.0720 1.1018	•4431- •4199-	•3118- •3362-	• 2949= • 3249=	•2730= •3050=	• 2711- • 2852-	•5468- •5606-	•1570 •1428	•1043 •1150	•1027 •1164	• 0733 • 0972	*1171 *1228
0 2 4	1.1428 1.1716 1.2017	.4617- .4300- .4019-	• 3579- • 3553- • 3130-	•3359- •3443- •2999-	•3265- •3173- •3037-	• 2683- • 2267- • 2365-	•5804- •5934- •6077-	•1562 •1450 •1357	•1194 •1184 •1063	•1179 •1197 •1035	•1055 •1031 •0998	•1059 •0784 •0827
8 10	1.2302 1.2664 1.2922	• 3658- • 4209- • 6604-	•2593- •1088- •0949	•2125- •0154- •1145	•2152- •1032- •0437	• 1924- • 1524- • 0269	.6206- .6369- .6463-	•1239 •1406 •2375	.0881 .0330 .0564-	.0720 .0134-	.0673 .0158 .0542-	00656 00469 00245-
12 14 16	1.3049 1.3569 1.5474	•1012- •1585 •2291	• 2426 • 3271 • 3354	.2003 .2697 .2954	•1435 •1932 •2378	• 1412 • 2280 • 2546	.6484- .6670- .7569-	.0402 .0878-	1372- 1862- 1965-	•1236- •1585- •1794-	•1047- •1408- •1704-	*0666- *1055- *1261-
18 20 22	1.8295 1.9372 1.8921	•2123 •2085 •2117	• 3591 • 3852 • 3724	• 3561 • 3640 • 3506	.2933 .2961 .2925	• 2901 • 3085 • 3272	48958- 49576- 49324-	•1392- •1511- •1551-	•2168- •2358- •2297-	•2162- •2223- •2157-	02048- 02077- 02062-	1596- 1769-
23	1.8772	•2151	•3708 C,	•3339 n.d	• 2843	•3162	e9240-	• 1545-	•2278- c <sub>h</sub>	•2076-	.2018-	1779-
-4	1.4310-	.6546-	•5178-	.4645-	a4049-	o 3653=	e7342=	.4206-	• 2132-	• 2361-	+2446-	e 1487-
0 2	1.3748- 1.3353-	•5293- •4109- •3150-	.5417- .4924- .4451-	.4395- .4013- .3652-	• 3857= • 3199= • 3302=	• 2550- • 2477- • 2314-	•7150- •7036- •6824-	• 3450- • 2725- • 2129-	•2083- •1806- •1591-	*1541- *1305- *1130-	• 1351- • 0926- • 1119-	*0686- *0604- *0536-
6 8	1.2944- 1.2501- 1.2186-	•2191- •1365- •0568-	•3836- •3116- •2174-	.3076- .2295- .1623-	•2674- •1816- •0965-	•1861- •1375- •1221-	•6598- •6351- •6171-	.1533- .0998- .0464-	•1332- •1075- •0781-	.0901- .0631-	.0857- .0529-	00323- 0090-
10 12 14	1.1655- 1.1574- 1.1275-	•1151- •0417 •1326	.0928- .0416-	.1055- .0509-	.0904- .0408-	•1366- •1126- •0452-	•5885- •5828- •5664-	.0387 .0175	•0407- •0267-	.0478- .0282-	0299- 0083-	0017= 00127- 0078-
16 18 20	1.1158-	•2522 •4166 •5211	.0478 .1718 .2448	•1022 •2065 •2742	•1370 •2240 •2944	.0039 .0611	•5591= •5532=	•1615 •2710	.0158 .0890	.0544 .1172	.0447 .0811 .1315	.0158 .0397 .0732
22 23	1.0735-	•5390 •5677	· 2918 · 3421	• 32 UU • 36 02	• 3461 • 3705	.0914 .1209 .1299	•5421- •5313- •5298-	• 3437 • 3571 • 3756	•1336 •1647 •2000	•1614 •1911 •2180	• 1755 • 2093 • 2262	1000 1139 1203

TABLE 32.- INTEGRATED SECTION COEFFICIENTS  $\left[ \delta_{\rm S} = -0.060 {\rm c}; \delta_{\rm d} = -0.04500 {\rm c} \right]$ 

α,		Section	n coefficier	its at $\frac{y}{b/2}$	= -		Section coefficients at $\frac{V}{b/2} = -$							
leg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97		
		-	c <sub>n</sub>	,w					cm	,w				
-4	•3173-	• 4193-	•5780-	•5177=	.4437-	.3134-	.0401	.0171	.0762	.0372	0245	.0426		
-2	•1953-	•2953-	· 4881-	• 4766-	.3602-	a 2354-	•0362	.0029	.0845	.0655	.0239	00297		
0	.0818-	.1619-	.3630-	.3835-	·2766-	· 2004-	.0324	.0041-	.0800	.0758	.0300	.0305		
2	•0387	•0327-	• 2279-	• 2746-	.1656-	· 1508-	00283	.0079-	.0761	.0811	.0368	.037		
4	•1630	•1084	.0790-	.1196-	.0582-	.0894-	0256	.0118-	.0638	00775	.0421	0042		
6	•2949	.2611	.0803	.0178	0469	.0180-	00255	.0166-	.0463	00574	• 0277	.040		
8	.4317	• 4563	•3067	.1854	.1462	.0411	00221	.0051-	• 0071	•0270	.0187	.039		
10	.6140	.6418	• 49 07	. 3326	• 2322	• 1570	0295	.0244-	.0272-	.0062-	• 0020	.013		
12	•7106	.7807	•5787	.4156	.3619	.2186	•0215	.0573-	.0451-	.0210-	.0197-	0002		
14	•7934	• 9044	.6454	•5306	• 4534	e 3337	.0080-	.1019-	•0566-	.0402-	.0353-	.020		
16	.8788	.8211	•6939	.6230	•5177	• 3821	00438-	.0284-	.0669-	.0551-	.0470-	.030		
20	•9672	• 9740 1• 0246	• 7865	•7159	• 5885	• 4573	.0804-	•1378-	•0829-	•0725-	.0603-	*045		
22	1.0285	1.1092	• 8558 • 9534	• 7865	.6815	•5126	•1029 <del>-</del>	•1507-	•0976-	.0865-	0792-	.056		
23	1.0694	1.1675	1.0207	.8332	• 7295	• 5344	•1030-	.1717-	.1195-	•0976-	.0907-	.060		
23	100094	1.10/5	1.0207	.8519	•7424	• 5447	•1001-	· 1849-	·1373-	*1025-	0938-	*061		
			cn	,s					ch	,s				
-4	1.1011	.7080-	•5448-	• 4833-	.3981-	a 3554-	ø5717-	.2715	.1932	.1827	• 1168	0153		
-2	1.1356	•7387-	•5819-	.5330-	. 4669-	. 4114-	•5890-	. 2803	.2138	•2084	.1600	· 186		
	1.1700	•7638-	•5953-	.5430-	· 4864-	63941⇒	·6060-	• 2842	• 2164	.2096	.1701	0173		
2	1.2127	• 7526-	•5893-	.5483-	· 4962=	o 3587-	o6263=	.2781	• 2152	.2106	.1730	0145		
4	1.2404	•7018-	•5298=	.4971-	· 4685-	• 3309-	o6389-	.2613	.1950	.1906	• 1677	0125		
6 8	1.2786	•6321= •6996=	•4514- •2501-	• 3839-	. 3512-	. 2909-	•6568-	• 2370	• 1687	.1478	. 1263	0114		
10	1.3381		.0849-	•2417-	.1876-	• 2643=	06643-	• 2623	.0920	.0916	.0582	.104		
12	1.3077	• 5423- • 1951-	•0572	·1120-	.0913- .0087	0442-	06775-	• 2123	•0163	.0303	.0154	.014		
14	1.3704	•0432	•1431	.0170-		•0162	6517-	.0626	00499-	.0149-	.0338-	.007		
16		•1151			.0444	• 1380	o 6743-	.0468-	0923-	.0544-	.0585-	.055		
18	1.5612	• 1245	• 1630	• 0943	00723	· 1842	a7646-	.0811-	.1088-	.0695-	00831-	.076		
20	1.9150	• 1495	·1913	•1365	.1090	• 2550	e 8811-	•0906-	01321-	·1025-	. 1140-	.116		
22	1.8358	•1991	• 2439	•1886 •2015	1521	02922	09372- 08912-	•1153-	•1577-	.1339-	· 1484-	0140		
23	1.7280	• 2461	• 2525	.1827	.1696	2969	.8402=	• 1474- • 1764-	·1660-	•1424-	. 1603-	0147		
23	10/200	82461			.1606	e 2874	80402-	.I/64-	•1630-	· 1337-	o 1549-	148		
			cr	ı,d					ch	,d				
-4	1.4756=	1.0828-	•6714-	•5370-	.5449=	. 4413-	67579-	•6656-	•2868-	.2426-	· 2694-	.171		
-2	1.4439-	•9759- •8229-	• 7637-	• 5823-	· 4486-	• 3702-	o7408-	•6338-	.3164-	•2466-	· 1863-	0143		
2	1.3942-	• 7175-	• 7348-	•5700=	• 4307-	·3889=	• 7265-	•5551-	• 2977-	•2389-	. 1741-	157		
4	1.3541-	.6114-	•6834= •6251=	•5571-	• 3996-	.4128-	•7139- •6913-	.4916-	• 2716-	•2303-	.1583-	.166		
6	1.3244-	.5125-	•5634=	•5270- •4868-	• 3772= • 3517=	• 3924=	6740-	•4268- •3630-	02437-	•2131-	.1478-	0149		
8	1.2717-	a 3889=	• 4793 <del>-</del>	. 4123-	• 3517- • 3676-	• 3662- • 3540-	e6456=	• 2838-	•2138- •1724-	1895-	1343-	0134		
0	1.2295-	• 2792-	• 3650-	• 3023-	• 3676- • 3339-	a 2985=	*6227=	· 2838-	·1724-	01459-	01374-	*128		
12	1.1986-	•2726=	•3080-	.2389-	· 2430-	· 2690=	e6054=	•2177-	·1128-	.0816- .0485-	· 1187-	.074		
14	1.1725-	.1749-	• 2594-	.1713-	.1568-	• 2150-	05904-	. 1516-	0596=	0148-	0340-	0043		
16	1.1551-	•0697-	.1866-	·1029=	•1965-	• 1931=	e5801=	0798-	0284-					
18	1.1430-	0844	.0859=	.0001	.0067	1438-	e5720-	•0228	.0088	.0393	0051-	0029		
20	1.1206-	• 2283	.0262	.1050	•1120	1088-	o 5589=	.1155	.0088	.0743	.0357 .0841	.001 .024		
22	1.1084-	•3107	• 1598	.1921	.1745	0793-	e5506=	1657	.0870	•1062	1096	0041		
23	1.0922-	•3381	• 2322	. 2436	.2183	0627-	a 5404-	•1790	e1212	1315	1258	*051		

TABLE 35 .- INTEGRATED SECTION COEFFICIENTS

δ<sub>S</sub> = -0.080 c; δ<sub>d</sub> = -0.06000 c]

α,	-	Section	n coefficien	nts at $\frac{y}{b/2}$	= -			Section	n coefficier	its at $\frac{y}{b/2}$	= -	
deg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97
			cr	ı,w					cm	ı,w		
-4 -2 0 2 4 6 8	•3136- •1963- •0795- •0338 •1588 •2907	.4928- .3668- .2420- .1217- .0000 .1240	.6940- .6253- .5019- .3885- .2630- .1124- .1231	.5941- .5012- .4070- .3131- .1968- .0761-	.5507- .4870- .4223- .3305- .2449- .1179-	.3784- .3441- .2995- .2632- .2029- .1179- .0154-	*0272 *0226 *0179 *0120 *0092 *0112 *0113	.0163 .0048 .0003 .0012 .0023 .0043	•1120 •1226 •1239 •1254 •1212 •1032 •0635	*0880 *0993 *1111 *1207 *1244 *1121 *0827	.0612 .0651 .0773 .0930 .0978 .0800	.0531 .0567 .0665 .0734 .0763 .0699
10 12 14 16 18 20 22 23	•5846 •6783 •7676 •8594 •9046 •9351 •9668 1•0123	.5663 .7198 .8153 .8379 .7824 .7748 .8250	.3239 .4497 .5182 .5845 .6293 .6521 .7106	.2872 .4219 .5323 .6089 .6691 .7078 .7623	.1404 .2798 .3798 .4339 .4979 .5267 .5996	.1204 .2313 .2836 .3318 .4100 .4013 .4427	•0168 •0097 •0197- •0527- •0876- •1074- •1144- •1157-	.0329- .0672- .0972- .1023- .0889- .0869- .0988- .1330-	.0239 .0009- .0163- .0286- .0373- .0425- .0549-	.0477 .0226 .0047 .0024- .0145- .0247- .0370-	0473 0285 0080 0034- 0182- 0271- 0441-	.0363 .0183 .0077 .0036- .0100- .0182- .0297-
23	100125	. 7043	c <sub>n</sub>		*5505	* 4040	*115/-	*1330-	ch		80966-	80390-
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22 23	1.1599 1.2022 1.2327 1.2648 1.2742 1.3102 1.3257 1.33627 1.3309 1.4401 1.6230 1.8161 1.8833 1.8797 1.8692	1.0757- 1.1141- 1.1082- 1.0735- 9800- 8578- 8212- 6052- 2154- 0505- 0292- 0106- 0316- 0450-	.7465- .7981- .8341- .8082- .7370- .6378- .4264- .2451- .0934- .0296- .0224- .0192- .0192- .0038	.5994- .6638- .7001- .7049- .6442- .5188- .3561- .1951- .0766- .0147- .0055- .0224- .0284- .0359- .0466	.4736- .6328- .6529- .6777- .5215- .3631- .2252- .0580- .0459 .0934- .1278 .1305	.4307- .4655- .5106- .5087- .4178- .4310- .1652- .0190- .0320 .0661 .0639 .0618 .0853	66160- 65385- 66346- 6692- 66711- 6663- 6880- 6954- 6649- 71.00- 7990- 9350- 9350-	.4278 .4399 .4324 .4193 .3399 .3279 .2468 .0931 .0181 .0047 .0290- .0528- .0628- .0767-	**2804 **3176 **3319 **3263 **3263 **26314 **1821 **0960 **0185 **0134- **0194- **0254- **0315- **0271- **0400-	*2257 *2732 *2926 *2959 *2742 *2240 *1559 *0839 *0007 *0156- *0267- *0318- *0365- *0452-	*1523 *2287 *2414 *2516 *2446 *1867 *1282 *0648 *0182- *0917- *1296- *1627- *1411-	•1880 •2127 •2352 •2301 •2171 •1913 •1949 •0858 •0263 •0037 •0151- •0166- •0336-
			cı	ı,d					ch	,d		
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22 23	1.5079- 1.4866- 1.4607- 1.4399- 1.3644- 1.3163- 1.2700- 1.2325- 1.2104- 1.2074- 1.1888- 1.1827- 1.1535- 1.1462-	1.4637- 1.2645- 1.2259- 1.1589- 1.0730- .9104- .7638- .7470- .6159- .5019- .4157- .3480- .2469- .1346-	. 8718- . 9636- . 9569- . 9282- . 8961- . 8509- . 7675- . 6199- . 4937- . 3925- . 3282- . 2455- . 1761- . 0872-	.7156- .7903- .8117- .8248- .8259- .8108- .7496- .6411- .5418- .4578- .4361- .3108- .2629- .2024- .1392-	.5720- .6288- .6384- .6338- .6094- .5629- .5165- .4698- .4202- .3446- .2845- .0101-	.4919- .5157- .5814- .6130- .6173- .5893- .5315- .4676- .4108- .3602- .2890- .2446- .2145- .1681- .1451-	67754- 67630- 67490- 67364- 7141- 6676- 6428- 6216- 6088- 6058- 5945- 5584- 5717-	.8989- .8812- .8184- .7869- .7629- .7389- .5597- .5413- .4641- .3947- .3365- .2908- .2245- .1582-	.3874- .4282- .4194- .4034- .3864- .3605- .3174- .2412- .1805- .1291- .0953- .0655- .0527- .0196- .0218	**3367- **3712- **3817- **3871- **3872- **3784- **3450- **2862- **2321- **1831- **1544- **0885- **0601- **0274- **0050	2716- 2913- 2974- 2954- 2833- 2601- 2369- 2122- 1856- 1426- 1085- 0638- 0062	2063- 2243- 2713- 2889- 2865- 2645- 21952- 1653- 1342- 0627- 0417- 00131-

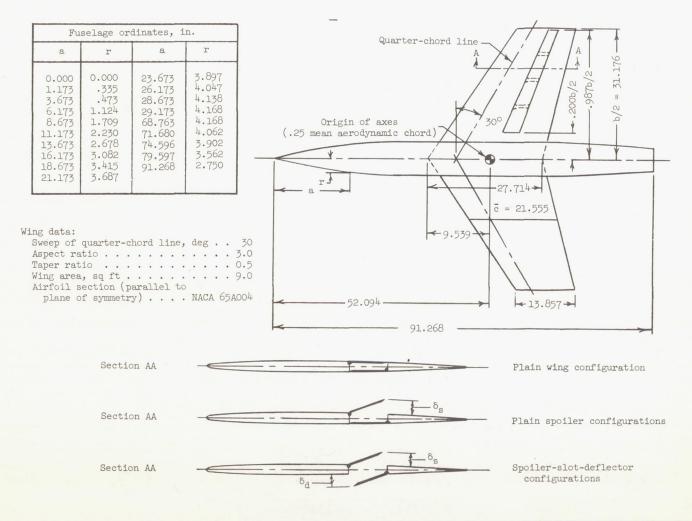
TABLE 34 .- INTEGRATED SECTION COEFFICIENTS

δ<sub>S</sub> = -0.100 c; δ<sub>d</sub> = -0.07500 c

			201 1	V				011		-tt V	= -	
α,		Section	on coefficie	nts at $\frac{1}{b/2}$	<u>_</u> = -			Section	n coefficier	b/2		
deg	0.15	0,30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97
			$c_{r}$	ı,w					cn	ı,w		
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22 23	.3458- .2251- .1150- .0000- .1110 .2434 .4333 .5843 .6738 .7577 .8227 .8908 .9517 .9715	.6404- .5208- .4269- .3279- .1984- .0622- .2156- .4204- .6050- .7120- .7282- .6937- .7108- .7519- .8226-	.7361- .6373- .5799- .5160- .4174- .2720- .0619- .1653- .2216- .4007- .4579- .5061- .5574- .6033- .6710	.7684- .6488- .5382- .4748- .3817- .2682- .0824- .1026 .2430 .3231 .3834 .4604 .5112 .6094	.5879- .5003- .4271- .3390- .2475- .1353- .1365- .3236 .3236 .4401 .4952 .5574 .6255	.4470- .3791- .3366- .3168- .2625- .1902- .0829- .0583 .1965 .2571 .3090 .3254 .3400 .3739 .3945	0.0348 0.0265 0.0213 0.0117 0.0075 0.0065 0.0063 0.0110 0.0002- 0.0228- 0.491- 0.909- 1.128- 0.1162-	.0887 .0743 .0758 .0768 .0768 .0587 .0268 .0045- .0437- .0681- .0710- .0653- .0653-	•1225 •1259 •1514 •1703 •1787 •1660 •01329 •0916 •0566 •0422 •0306 •0182 •0060 •0051- •0195-	*1064 *1071 *1109 *1242 *1298 *1293 *1112 *0845 *0619 *0489 *0364 *0211 *0085 *0012- *00115-	.0790 .0616 .0676 .0770 .0811 .0776 .0516 .0353 .0148 .0038 .0015- .0117- .0247- .0350- .0426-	.0693 .0677 .0795 .0925 .0929 .0882 .0811 .0609 .0329 .0208 .0130 .0089 .0039 .0039
			cr	ı,s					ch	,s		
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22 23	1.1777 1.2001 1.2093 1.2334 1.2346 1.2346 1.3104 1.3275 1.3506 1.4445 1.5895 1.8293 1.9057 1.8877 1.9014	1.2231= 1.2674- 1.2249- 1.1793= 1.1030- 1.0007- .8145- .5499- .1922- .0184- .0194- .0369- .0422- .0364- .0265-	• 9342- 1•0298- 1•0289- • 9868- • 9221- • 7858- • 6216- • 3379- • 1466- • 1044- • 1139- • 0917- • 0515- • 0349- • 0361-	.7325- .7964- .7932- .8311- .7666- .6576- .2209- .0997- .0736- .0700- .0654- .0506- .0378- .0209-	.5544- .5419- .5545- .5316- .4879- .4013- .1895- .0442- .1777 .3178 .3901 .4302 .4394 .4512	.5159- .5351- .5888- .6192- .5068- .5182- .3342- .0059- .0310 .0161 .0100- .0218- .0220-	66358- 66475- 66501- 66615- 66579- 6665- 6829- 6756- 6748- 7145- 7827- 9036- 9473- 9370-	5020 5259 5123 4968 4580 4176 3382 2260 0949 0068 0029 0095 0102 0042 0068-	.3726 .4355 .4259 .4158 .3898 .3287 .2637 .1354 .0363 .0110 .0106 .0096 .0368 .0443 .0436	*2940 *2463 *3518 *3704 *3486 *3016 *2150 *1069 *0398 *0229 *0134 *0052 *0015 *0048 *0121	2311 2401 2513 2588 2526 2182 1306 0728 0270- 1011- 1424- 1620- 1614- 1659- 1729-	2247 2473 22804 2938 2793 2406 2406 1701 0689 0326 0102 0124 0229 0273
			С	n,d					ch	,d		
-4 -2 0 2 4 6 8 10 12 14 16 18 20 22 23	1.5063- 1.4786- 1.4508- 1.4296- 1.3790- 1.3790- 1.3355- 1.2552- 1.2258- 1.2178- 1.2165- 1.1826- 1.1826- 1.1840-	1.3293- 1.3379- 1.4061- 1.6226- 1.9093- 1.9223- 1.7778- 1.6527- 1.5058- 1.3622- 1.2302- 1.1122- 1.0115- 8634- 7695-	.8075- .8630- .9395- 1.0024- 1.0317- 1.0231- .9619- .8687- .7308- .6607- .5249- .5223- .4785- .4234- .3449-	.8508- .8967- .8916- .9468- .9591- .9739- .8630- .7793- .7159- .5815- .5289- .4488-	.4769- .5149- .5149- .5483- .5271- .4949- .4286- .3337- .2763- .2322- .1674- .0661- .0345-	6006- 6445- 7580- 8278- 8286- 8002- 7301- 6549- 5756- 5258- 4694- 4198- 3838- 3543- 3250-	.7545- .7430- .7310- .7205- .7055- .6927- .6700- .6440- .6256- .6135- .6104- .6038- .6003- .5821-	.6785- .6785- .7152- .8397- 1.0540- 1.1171- 1.0989- 1.0437- .9657- .8973- .8346- .7146- .6355- .5878-	.3899- .4239- .47637- .4763- .4874- .4803- .495- .4036- .3335- .2950- .2593- .2199- .1662- .1336-	. 4239- . 4524- . 4509- . 4781- . 4825- . 4850- . 4256- . 3770- . 3420- . 3103- . 2396- . 2211- . 1959-	• 2486- • 2767- • 2985- • 3009- • 2783- • 2499- • 2322- • 2051- • 1803- • 1615- • 1317- • 1028- • 0648-	*2646- *3037- *3772- *4154- *4138- *3908- *3487- *3063- *2606- *2316- *1981- *1717- *1518- *3133- *1148-

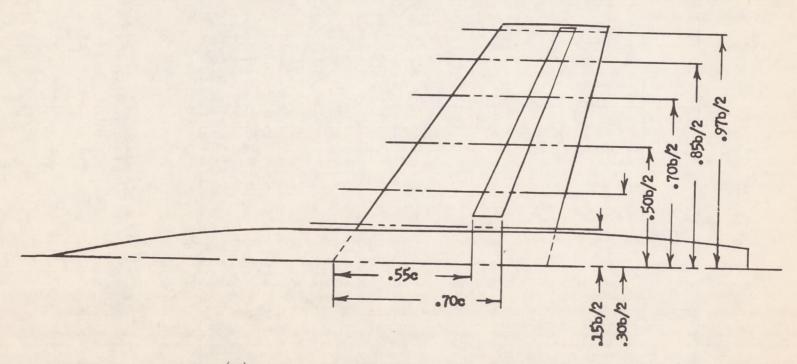
TABLE 35 .- INTEGRATED SECTION COEFFICIENTS  $\left[\delta_{\rm S}=\text{-0.120}\,c;\delta_{\rm d}=\text{-0.09000}\,c\right]$ 

α,		Section	on coefficie	ents at $\frac{y}{b/2}$	= -			Section	n coefficier	nts at y	= -	
deg	0.15	0.30	0.50	0.70	0.85	0.97	0.15	0.30	0.50	0.70	0.85	0.97
			С	n,w					cn	ı,w		
-4 -2 0	•3565- •2188- •1170-	.7036- .5743- .4857-	•7358- •6342- •5342-	•7651- •6557- •5526-	.6087- .5321- .4450- .3807-	• 4236- • 3633- • 3198- • 2957-	.0526 .0387 .0347	•1198 •1139 •1233 •1297	•1118 •1095 •1169 •1233	•0961 •1073 •1201 •1251	.0702 .0618 .0740	.0600 .0588 .0643
2 4 6	.0158- .0708 .1910	.4036- .3041- .1658-	.4442- .3394- .2031-	.4866- .3707- .2492-	•2915- •1789-	•2678- •2118-	•0360 •0386	•1385 •1294	•1275 •1206	•1265 •1195	. 0925 . 0901	.0867 .0878
8 10 12	•3756 •5127 •5969	•1375 •3607 •5192	.0521- .1513 .2558	.0597= .1107 .2123	.0033- .1225 .2710	•1334- •0073 •1236	.0424 .0468 .0395	.0669 .0270 .0032-	•1330 •1121 •1022	.1064 .0890 .0799	. 0694 . 0606 . 0415	•0784 •0563
14 16 18	.6745 .7519 .8098	.6246 .6230 .5940	•3036 •3764 •3876	.2886 .3229 .3423	•3458 •3778 •4021	•1894 •2100 •2312	.0189 .0140-	.0319- .0380- .0410-	.0963 .0897 .0849	.0797 .0786 .0751	.0293 .0250 .0207	•0396 •0342 •0253
20 22 23	.8658 .9139 .9393	.6273 .6709 .7089	• 4207 • 4540 • 5096	.3693 .4231 .4592	.4424 .4700 .5031	• 2584 • 2921 • 3169	.0839- .0952- .0997-	.0475- .0534- .0613-	.0742 .0633 .0490	.0666 .0547 .0442	.0143 .0081 .0031	.0181 .0115 .0061
			C <sub>1</sub>	n,s					ch	,s		
-4 -2	1.2135	1.3688-	1.0988-	.8829- .9478-	.6779- .6551-	•5221- •5734-	•6636- •6791-	.6190 .6244	.4923 .4981	•3795 •4358	• 2921 • 3015	•2340 •2701
0 2 4	1.2633 1.2995 1.2942	1.3696- 1.3746- 1.3562-	1.0850- 1.0487- .9937-	.9329- .9369-	.6362- .6322- .5980-	•6150- •6712- •6909-	.6892- .7065-	.6260 .6354 .6222	.4972 .4910 .4716	•4354 •4385 •4072	• 3121 • 3188 • 3158	•2983 •3248 •3424
6 8	1.3030 1.3356 1.3583	1.2551- .8580-	•8470- •6553-	•7003- •4593- •1557-	•5109- •2544- •1628-	•6076- •6785- •4134-	.6989- .6980- .6919-	.5753 .3884 .2548	•3961 •3166 •1362	•3333 •2257 •0839	.2763 .1619 .1280	•2982 •3249 •2171
10 12 14	1.3620	•5660- •1304- •0795	• 2640- • 0198- • 0308-	.0094 .0258-	.1020 .2696	•1875- •1351	•6796- •7086-	.0703 .0412-	.0089 .0040	•0010- •0029	• 0003 • 0933-	•1168 •0042
16 18 20	1.5993 1.8129 1.8209	.0768 .0253-	•1419- •2015- •2228-	.0951- .1739- .2162-	•3389 •3287 •3250	•0365- •0300- •0519-	•7871- •9000- •9062-	.0437- .0044 .0173	.0402 .0454 .0478	.0244 .0595 .0814	• 1288- • 1182- • 1084-	.0397 .0244 .0261
22 23	1.8320 1.8503	•0794- •0955-	• 2221- • 2252-	•2174- •2024-	•3310 •3448	•0795- •0952-	•9115- •9183-	.0312 .0361	.0470 .0498	•0834 •0766	•1092- •1148-	•0370 •0453
			С	n,d					ch	,d		
-4 -2 0	1.3487- 1.3057- 1.2892-	1.3913- 1.3013- 1.3051-	1.0687- 1.1520- 1.1633-	.9435- 1.0697- 1.0944-	•4207- •5378- •6703-	•5052- •6485- •7450-	.6738- .6508-	.7363- .6898- .6912-	.5690- .6131- .6186-	•4991- •5741- •5878-	• 2122- • 2821- • 3571-	•2328 •3246 •3851
2 4	1.2774-	1.3249-	1.1549-	1.0908-	.6563- .6438-	.8093- .8318-	•6334- •6292-	.7002- .6989-	.6135- .6009-	•5852- •5782-	•3490- •3421-	•4197 •4297
6 8 10	1.2564- 1.2583- 1.2357-	1.3647- 1.4788- 1.5467-	1.0902- 1.0616- 1.0242-	1.0562- 1.0645- 1.0403-	.6020- .5602- .5444-	•8123- •7799- •7338-	.6180- .6160- .6039-	•7194- •7762- •8116-	•5767- •5461- •5122-	•5643- •5659- •5497-	• 3230- • 3067- • 3016-	•4103 •3861 •3583
12 14 16	1.2116- 1.1964- 1.1990-	1.6645- 1.6920- 1.6702-	•9910- •9404- •8877-	•9865- •9508- •9320-	•5172- •4891- •4665-	•6873- •6419- •6152-	•5895- •5806- •5809-	.8766- .9010-	•4791- •4483- •4191-	•5162- •4940- •4825-	• 2902- • 2743- • 2606-	•3318 •3069
18	1.1843-	1.7490- 1.7253-	.8113- .7509-	.9014- .8644-	.4183- .3520-	•5473- •5152-	•5762- •5701-	1.0072-	• 3804- • 3536-	• 4657- • 4460-	.2361- .2038-	•2530 •2329
22 23	1.1607-	1.5225-	•7052- •6611-	.8311- .7897-	·3113- ·2733-	• 4931- • 4736-	•5644- •5618-	1.0547-	• 3330- • 3135-	•4285- •4059-	• 1837- • 1650-	•2183 •2058



(a) Details of wing, fuselage, and spoiler configurations.

Figure 1.- Geometric characteristics of 30° sweptback wing-fuselage model equipped with spoiler and spoiler-slot-deflector. All dimensions are in inches unless otherwise noted.



(b) Location of pressure orifice stations.

Figure 1. - Concluded.

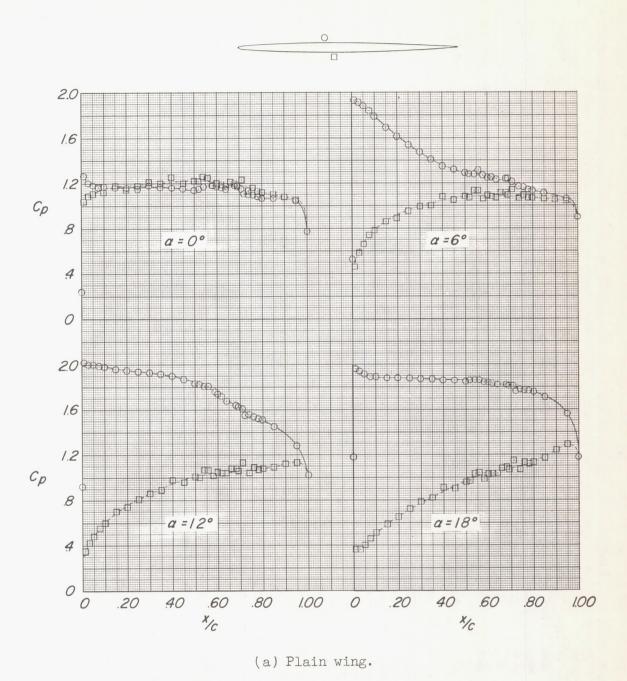
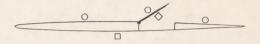
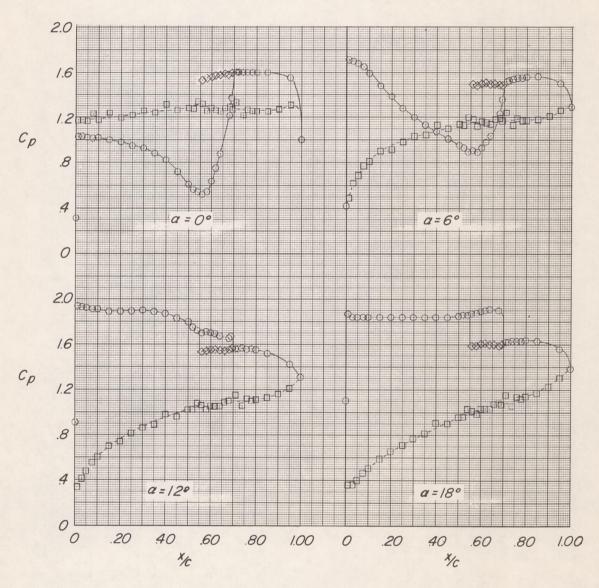


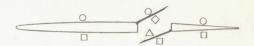
Figure 2.- Typical chordwise pressure distributions at the midsemispan station of the wing at several angles of attack.

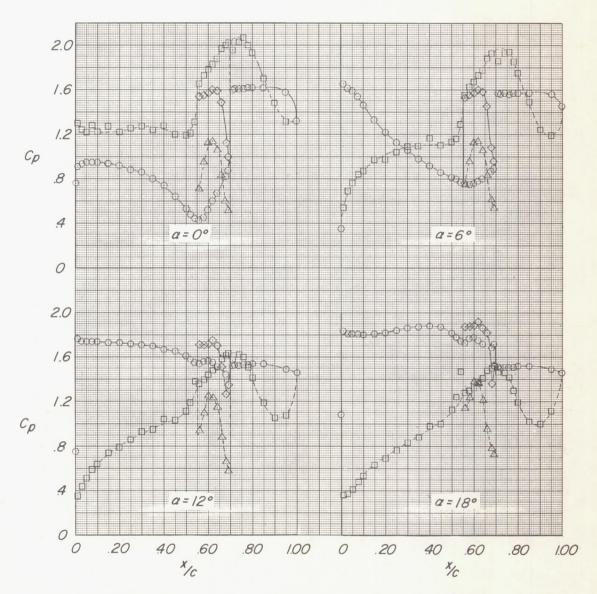




(b) A plain-spoiler configuration.  $\delta_s = -0.08c$ ;  $\delta_d = 0$ .

Figure 2. - Continued.





(c) A spoiler-slot-deflector configuration.  $\delta_{\rm S} = -0.08c; \delta_{\rm d} = -0.06c.$ 

Figure 2.- Concluded.

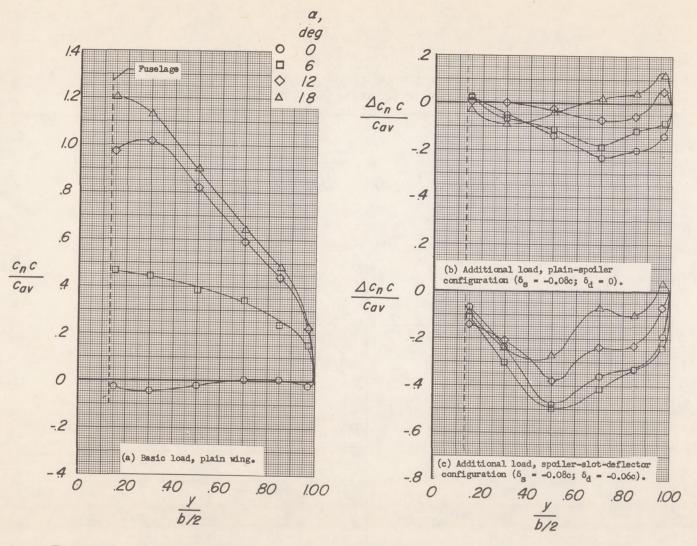


Figure 3.- Typical basic and additional spanwise normal load distribution at several angles of attack.

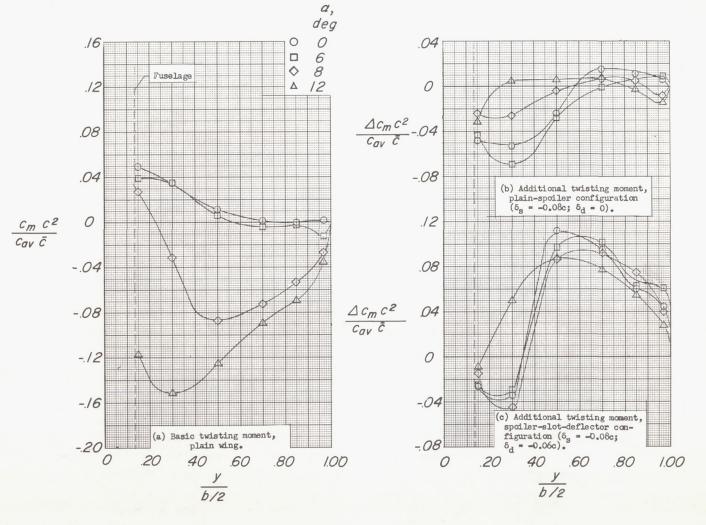


Figure 4.- Typical spanwise variation of the section pitching or wing twisting moments for the basic wing and the increments due to the spoiler and spoiler-slot-deflector for several angles of attack.

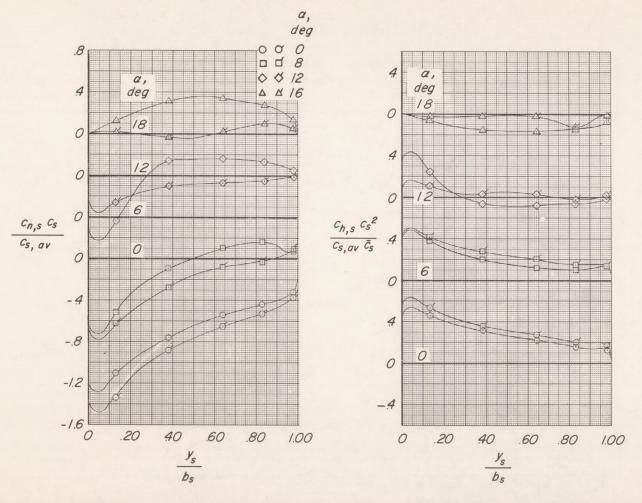


Figure 5.- Typical spanwise spoiler normal load and hinge-moment distribution at several angles of attack for the plain-spoiler configuration ( $\delta_{\rm s}=-0.08c;\;\delta_{\rm d}=0$ ) and the spoiler-slot-deflector configuration ( $\delta_{\rm s}=-0.08c;\;\delta_{\rm d}=-0.06c$ ). Flagged symbols are for the spoiler-slot-deflector configuration.

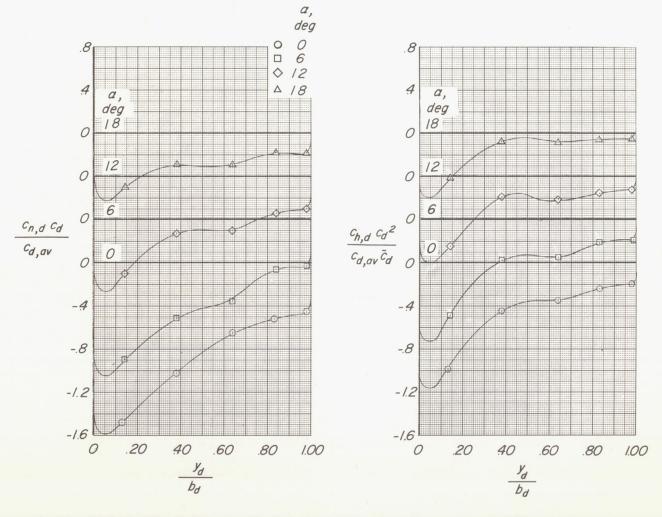
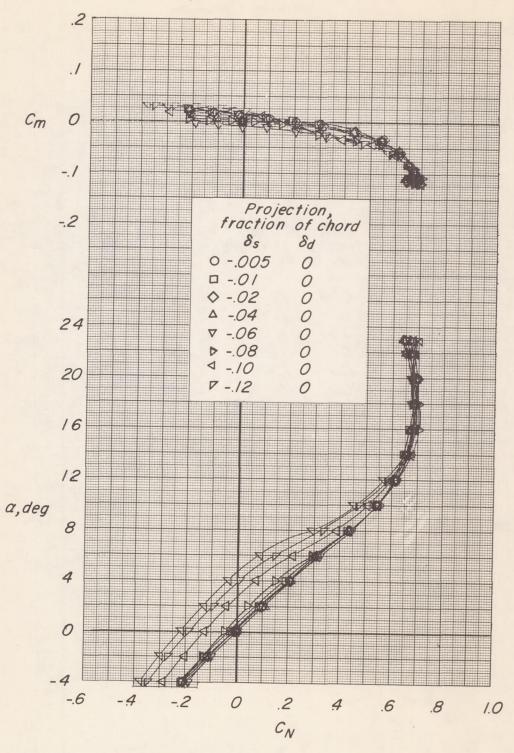
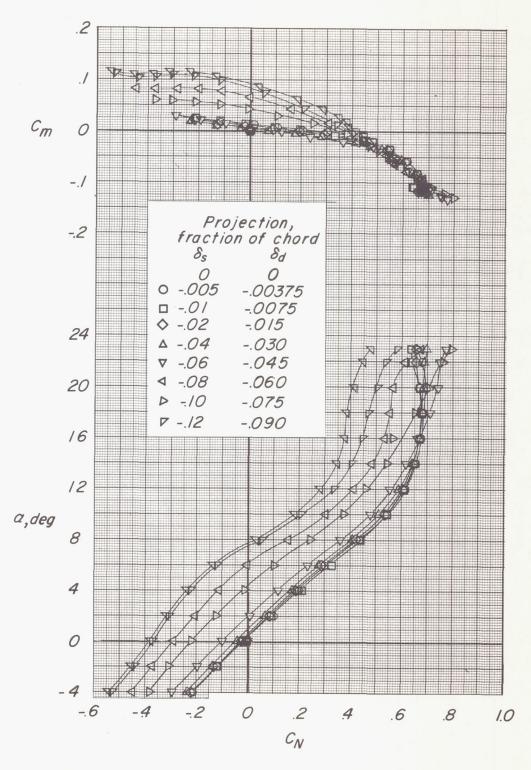


Figure 6.- Typical spanwise deflector normal load and hinge-moment distribution at several angles of attack for the spoiler-slot-deflector configuration.  $\delta_s$  = -0.08c;  $\delta_d$  = -0.06c.



(a) Plain-spoiler configuration.

Figure 7.- Variation of the pitching-moment coefficient and angle of attack with normal-force coefficient at various control projections.



(b) Spoiler-slot-deflector configuration.

Figure 7.- Concluded.

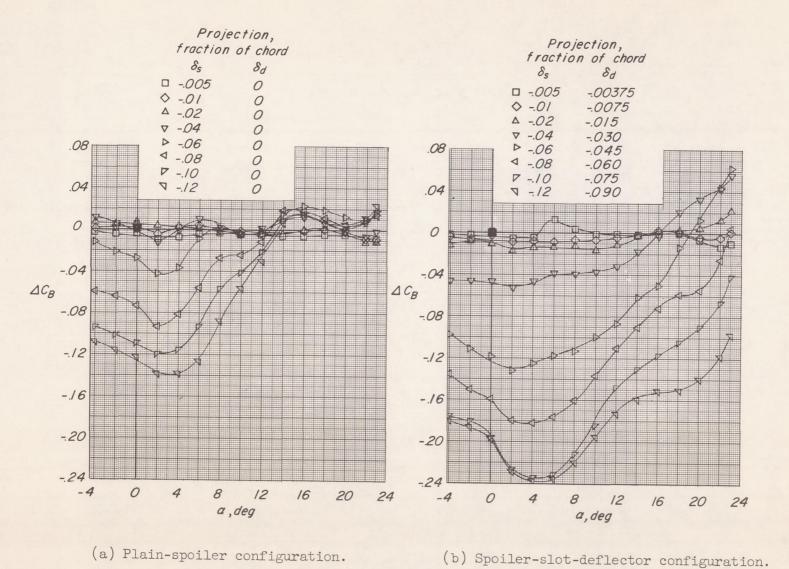
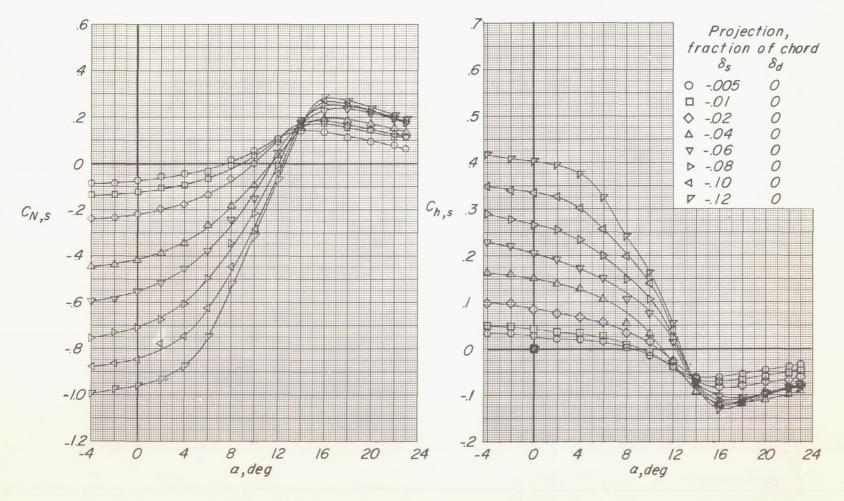


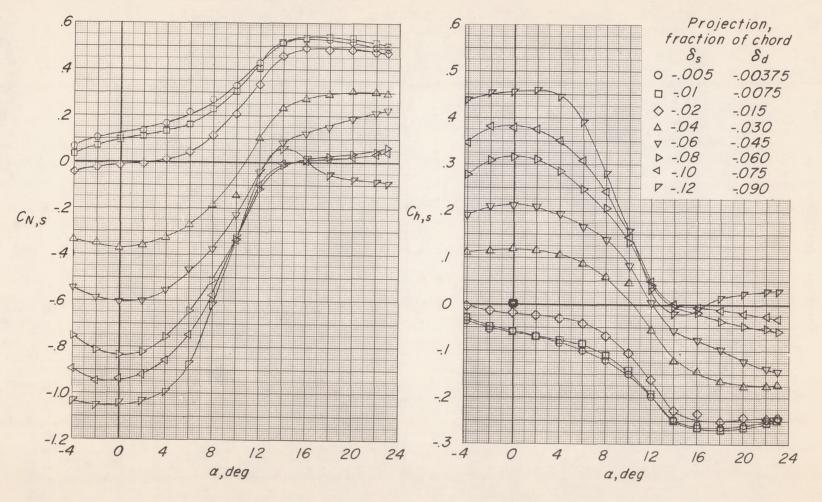
Figure 8.- Variation of the additional root-bending-moment coefficient with angle of attack for various

control projections.



(a) Plain-spoiler configuration.

Figure 9.- Variation of the spoiler normal-force and hinge-moment coefficients with angle of attack for various control projections.



(b) Spoiler-slot-deflector configuration.

Figure 9. - Concluded.

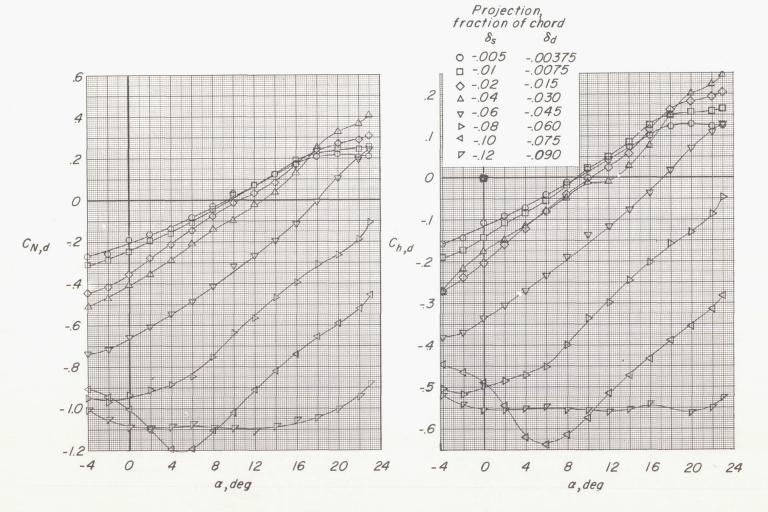


Figure 10.- Variation of the deflector normal-force and hinge-moment coefficients with angle of attack for various projections of the spoiler-slot-deflector.

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